



THOMSON

TV / DVD

PARTS LIST
LISTE PIECES DETACHEES
ERSATZTEILLISTE
LISTA PARTI DI RICAMBIO
LISTA DE PIEZAS DE REPUESTO

THOMSON
21HT195
Chassis ITC008

MODULES

MAIN	IC008F56T01SDJO	21459580
CRT	CRTI00840	21285050
DVD	DVD MODULE DMM05A-2 EUDVD	56035210
FAV	FAV USB TV/TVD008	21446770
IFAC	POWER INTERFACE I00802	21487910
KDB	KDBI00805	21455780
SCI	SCI00814	21409460



FZP60,61	MP315	△ 10575090
FZP66,93	MP50	△ 10457120
FZP200,201	TE5-T NO 396 3.15A 125V	△ 21210090
FZP202	TE5-T NO 19396 2.5A 125V	△ 21210080
FZP205,206,207	TE5-T NO 396 1.0A 125V	△ 21210050
FZP20,FZX01	TE5-T NO 396 500MA 125V	△ 21210040
GK001	TFMS5330B	20627780
IB001	TDA6107JF/N3	10804130
IF001	STV8172A	56012920
IP001	TLP621 GR(D4-LF2 T)	20827900
IP030	STV8130A+	10748720
IP031	MC7805/ACT	46007400
IP050,201,202,203	TL431ACL	10724920
IR001	CAT24WC08P	21133090
IS100	MSP3415G-PO-B8	10714120
IS200	TDA7263	10281150
IV001	TDA9554PS/N3/3 SOFT ED1 VERS. S9.00	35989320
IX401	LA79500E FLAT	21160230
IX408	FSAV330M FLAT	21391640



TD900	MMBT3906LT1 SMD	20628200
TI030,045,TR003	DTC144EK SMD	16007030
TI050,TL050	BC856B SMD	16006310
TI060,070,TL031,062,TX001,004	BC846B SMD	16006260
TL032,TR005	BC337-40	45001466
TL035	S2055N	20578760
TL060	BCR191 SMD	16006910
TL061	RN1409 SMD	20688820
TP020	STP6NB90FP	25460310
TP022,052,206	BC548B	16000930
TP023,205,TX009	KTC8550D	21039270
TP025	BC558B	16001110
TP171,175,176,177,193,TS201,204,TX006,007,010	BC848B SMD	16006290
TP192	BC858B SMD	16006330
TP201,202,203,204	KTC2026Y	21141190
TR001	BCR185 SMD	16006900
TR002	BCR141 SMD	16006890
TS202,203	RN1402 (TE85L/R) SMD	10966200
TX008	RN2402 SMD	20205800
TZ01	S1423	△ 50888780



DB004	1N4004	44009009
DB030,031,050,051,070,071,DP037,097	BAV21	44044407
DD900,DX007,009,011,017	BZT55C5V1 SMD	15196090
DF001	BZW04-48	10351880
DF002,003,DH004,DK005,006,DL004,030,062,DP071,205,DV071,DZ05,JP212	1N4148	44009209
DF010,DL011,013,035,DP036	1N4001	16008160
DF101,102,DJ121,DL072,DS204,DV070,DX005,019,024,DZ01	LL4148 SMD	16012450
DH001	BZX55B33	80442730
DI030,040	BA782S SMD	20542050
DJ120,DK003,004,DR001	BZX55B5V6/ZPD5V6 2%	70438200
DL010,025,040,060,DP025,026,093	RGP10G	10459090
DL012	EGP10D	20953640
DP002,003,004,005	BYW27-1000	10455390
DP023,030	BZX55C8V2	11073660
DP027,040	BZX55C27	60447870
DP033	BZX55B15/ZPD15 2%	80444020
DP057,207	BZX55C9V1	90578100
DP061	SB560	20956430
DP063	BYW98-200 3.0A	15103710
DP080	STTH5L06	21285880
DP095,DZ03	ZPD10 2%	80444160
DP200,201,202	1N5822	44058204
DP203	RGPI5G	10272800
DP206	BZX55C3V9	80444130
DU001,002,003,004	MMSZ6V8T1 SMD	15580490
DV002,003,004	MMSZ10T1 SMD	15580530
DX001	BZT52C13 SMD	15583750
DX002	BZT52C3V9 SMD	15583620
DX018	BZT52C5V6 SMD	15583660
DX020,021	MMSZ12T1 SMD	15580550
GK003	TLXR4400 LED	16011680




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VERSION 1 10 / 2005 36013360
VERSION 2 00 / 0000






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ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

<div>MAIN</div> <div>SYSTEM VOLTAGE</div> <div>+UB1</div>		<div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div>= 50%</div></div><div>TV to AV : Black test pattern</div><div>AV</div><div></div></div>	<div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div>DP 080</div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div>+UB1</div><div>CP80</div><div>V</div></div>	<table><tr><th>TUBE</th><th>UB1 voltages</th><th>JL990-992</th></tr><tr><td>19V Thai</td><td>106V ± 2V</td><td>JL992</td></tr><tr><td>19V ChungHwa</td><td>109V ± 2V</td><td>JL990 & JL991</td></tr><tr><td>20V TF LGS</td><td>123V ± 2V</td><td>JL990 & JL991</td></tr><tr><td>20V TF Orion</td><td>123V ± 2V</td><td>JL990 & JL991</td></tr><tr><td>21" TF TTD II</td><td>123V ± 2V</td><td>JL990 & JL991</td></tr><tr><td>21" OT</td><td>114V ± 2V</td><td>JL992</td></tr><tr><td>25" TF Toshiba</td><td>126V ± 2V</td><td>JL992</td></tr><tr><td>27V 1R TTD</td><td>126V ± 2V</td><td>JL990 & JL991</td></tr><tr><td>27V VHP TTD</td><td>126V ± 2V</td><td>JL992</td></tr><tr><td>27V/29" TF Samsung</td><td>126V ± 2V</td><td>JL992</td></tr><tr><td>27V/29" TF TTD II</td><td>126V ± 2V</td><td>JL992</td></tr><tr><td>28" MP</td><td>132V ± 2V</td><td>JL992</td></tr><tr><td>33" MP</td><td>132V ± 2V</td><td>JL992</td></tr><tr><td>32V/36 VHP</td><td>132V ± 2V</td><td>JL992</td></tr><tr><td>32V TF Toshiba</td><td>132V ± 2V</td><td>JL992</td></tr><tr><td>32V/34" TF TTD</td><td>132V ± 2V</td><td>JL992</td></tr></table>	TUBE	UB1 voltages	JL990-992	19V Thai	106V ± 2V	JL992	19V ChungHwa	109V ± 2V	JL990 & JL991	20V TF LGS	123V ± 2V	JL990 & JL991	20V TF Orion	123V ± 2V	JL990 & JL991	21" TF TTD II	123V ± 2V	JL990 & JL991	21" OT	114V ± 2V	JL992	25" TF Toshiba	126V ± 2V	JL992	27V 1R TTD	126V ± 2V	JL990 & JL991	27V VHP TTD	126V ± 2V	JL992	27V/29" TF Samsung	126V ± 2V	JL992	27V/29" TF TTD II	126V ± 2V	JL992	28" MP	132V ± 2V	JL992	33" MP	132V ± 2V	JL992	32V/36 VHP	132V ± 2V	JL992	32V TF Toshiba	132V ± 2V	JL992	32V/34" TF TTD	132V ± 2V	JL992
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<div>U G2 / CUTOFF</div> <div>METHOD 1</div> <div>Measurment</div>	<div>LL05</div> <div>SCREEN</div> <div>Focus Block</div>	<div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div>= 50%</div></div><div>TV to AV : Black test pattern</div><div>AV</div><div></div></div>	<div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div>highest output</div><div>R, G, B pins</div><div>CRT socket</div></div> <div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div>V</div><div>0</div></div> <div>100:1 probe</div> <div>2ms / div Y= 20V/div DC</div> <table><tr><th>Tube</th><th>V Cut-off</th></tr><tr><td>21" OT 90°</td><td>125V +/- 3V</td></tr><tr><td>21" XF-TTD</td><td>125V +/- 3V</td></tr><tr><td>21" XF Toshiba</td><td>125V +/- 3V</td></tr><tr><td>28" MP</td><td>125V +/- 3V</td></tr><tr><td>29" TF Samsung</td><td>125V +/- 3V</td></tr><tr><td>29" XF TTD II</td><td>125V +/- 3V</td></tr><tr><td>33" MP</td><td>125V +/- 3V</td></tr><tr><td>34" XF TTD</td><td>125V +/- 3V</td></tr></table>	Tube	V Cut-off	21" OT 90°	125V +/- 3V	21" XF-TTD	125V +/- 3V	21" XF Toshiba	125V +/- 3V	28" MP	125V +/- 3V	29" TF Samsung	125V +/- 3V	29" XF TTD II	125V +/- 3V	33" MP	125V +/- 3V	34" XF TTD	125V +/- 3V																																		
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<div>U G2 / CUTOFF</div> <div>METHOD 2</div> <div>SERVICE MODE</div> <div>(According to software version).</div>	<div>SERVICE MODE</div>	<div>Alternative method : see Service Mode p. 9</div> <div>Autre méthode : voir réglage dans le service mode p. 9</div> <div>Siehe Service Mode S. 9</div> <div>Metodo alternativo : vedi Service Mode p.9</div> <div>Método alternativo : ver Modo Servicio pág. 9</div>																																																					

EAST-WEST MODULE - MODULE EST-OUEST - OST-WEST-MODUL - MODULO EST-OVEST - MODULO ESTE-OESTE

GEOMETRY	TV : AV1 Test pattern Standard TV - Settings : $\text{TV} + \text{AV} + \text{TV} = 50\%$ 		Correct picture
EWM	PL140 PL141 PL143 SERVICE MODE	<p>(GB) - Please refer to geometry Mode alignment (110° tube) , page 10, to adjust the East West Module (EWM)</p> <p>(F) - Se référer à la méthode d'alignement des géométries (tubes 110°), page 10 pour effectuer les réglages du Module Est-Ouest (EWM).</p> <p>(D) - Abgleich des Ost-West-Moduls: Siehe Geometrie-Abgleich (110°), Seite 10.</p> <p>(I) - Per le regolazioni del Modulo Est-Ovest fare riferimento al modo allineamento geometria (tubi 110°), pagina 10.</p> <p>(E) - Para los ajustes del módulo Este-Oeste (EWM) ver la página 10, modo ajuste geometría (tubo 110°)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PL140  </div> <div style="text-align: center;"> PL141  </div> <div style="text-align: center;"> PL143  </div> </div>	

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32V/34" TF TTD	132V ± 2V	JL992

+UA: AUDIO VOLTAGE
2X3W = UA = 20V +/- 1V

V12
11V < V12 < 13.5V

BP001
POWER SUPPLY

BP090

FZP30

IP030

IP030A

JP022

IP031

JP034

DP099

DP035

BV004

BR008

BS003

BS004

CS211

BS002

IS200

IR001

BR004

TLQ35A

TLQ35

BF002

BL005

BL005A

JP065

DP061

DP063

DP093

IF001

8VOS

8VV

6V5

12VSTBY

6VSTBY

8VS

8V

3V3UP

3.3V

5VS

5V

19

G2 cut-off SCREEN

FOCUS

Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello chassis collegata alla rete.
Parte del chasis conectada a la red.

Use isolating mains transformer -
Utiliser un transformateur isolateur du secteur -
Trenntrafo verwenden -
Utilizar un transformador aislador de red -
Utilizzare un trasformatore per isolarli dalla rete

A51QDJ420X03 CATHODE RAY TUBE A51QDJ420X03 TUBE CATHODIQUE A51QDJ420X03 FARBBILDROEHRE A51QDJ420X03 TUBO CATODICO A51QDJ420X03 T.R.C	△ 56038460
DEGAUSSING COIL 445MM BOBINE DE DEMAGNETISATION 445MM ENTMAGNETISIERUNGSSPULE 445MM BOBINA DI SMAGNETIZZAZIONE 445MM BOBINA DE DESMANTACION 445MM	△ 10738830
POWER SUPPLY LEAD CORDON D'ALIMENTATION NETZKABEL CAVO DI ALIMENTAZIONE CABLE DE ALIMENTACION	△ 10260880
8R0 OHM 10W LOUSPEAKER 42X105MM 8R0 OHM 10W HAUT PARLEUR 42X105MM 8R0 OHM 10W LAUTSPRECHER 42X105MM 8R0 OHM 10W ALTOPARLANTE 42X105MM 8R0 OHM 10W ALTAVOZ 42X105MM	25737950
RC311TAIG REMOTE CONTROL RC311TAIG TELECOMMANDE RC311TAIG FERNBEDIENUNG RC311TAIG TELECOMANDO RC311TAIG TELEMANDO	21282880
CORD STOPPER ATTACHE CORDON SECTEUR ZUGENTLASTUNG BRIDA CORDONE DI ALIMENTAZIONE SUJECION CABLE DE ALIMENTACION	25307670
SPACER FRONT PANEL ENTRETOISE FACADE Distanzscheibe Frontplatte DISTANZIATORE PANNELLO FRONTALE ESPACIADOR PANEL FRONTAL	25587590
COVER TRAY CD CH11TH CACHE TIROIR CD ABDECKUNG SCHUBLADE CD COPERCHIO CASSETTO CD CUBIERTA CORREDERA CD	25828130
LOUDSPEAKER GRID LEFT/RIGHT BK20TH GRILLE HAUT PARLEUR GAUCHE/DROIT BK20TH LAUTSPRECHERGITTER LINKS/RECHTS BK20TH GRIGLIA ALTOPARLANTE SINISTRA/DESTRA BK20TH REJILLA ALTAVOZ IZQUIERDA/DERECHA BK20TH	25828160
REAR PANEL AL01TH DOS AL01TH RUECKWAND AL01TH PANNELLO POSTERIORE AL01TH TAPA POSTERIOR AL01TH	△ 35949340
BUTTON STRIP TV CH11TH BARRETTE DE TOUCHES TV CH11TH TASTENLEISTE TV CH11TH PIATTINA TASTI TV CH11TH PLACA DE TECLAS TV CH11TH	25828190
LED WINDOW GLACE LED LED FENSTER VETRO LED CRISTAL LED	25793110
INFRARED WINDOW GLACE INFRAROUGE INFRAROT FENSTER VETRO INFRAROSSO CRISTAL INFRARROJO	25793120
FCB SUPPORT AL01TH SUPPORT FCB AL01TH FCB HALTER AL01TH SUPPORTO FCB AL01TH SOPORTE FCB AL01TH	35949310

ON/OFF SWITCH SUPPORT 25793080
SUPPORT CONTACTEUR MARCHE/ARRET
HALTER EIN-AUS SCHALTER
SUPPORTO CONTATTORE ACCESO/SPENTO
SOPORTE CONTACTOR MARCHA/PARADA

MAINTENANCE TOOLS MAINTENANCE WERKZEUG FUER DAS GERAET UTENSILI DI MANUTENZIONE MANTENIMIENTO

ITC008 POWER SUPPLY REPAIR KIT 35711620
ITC008 KIT MAINTENANCE ALIMENTATION
ITC008 REPARATURSET NETZTEIL
ITC008 KIT PER RIPARARE ALIMENTAZIONE
ITC008 KIT DE REPARACION ALIMENTACION



15HT195/21HT195 UM THOMSON 60179990
15HT195/21HT195 NU THOMSON
15HT195/21HT195 BA THOMSON
15HT195/21HT195 IU THOMSON
15HT195/21HT195 IU THOMSON

CDROM ITC008 35765170
CDROM ITC008
CDROM ITC008
CDROM ITC008
CDROM ITC008






ITC008 SERVICE MANUAL 35696810
ITC008 DOC TECHNIQUE
ITC008 TECHNISCHE DOKUMENTATION
ITC008 DOCUMENTAZIONE TECNICA
ITC008 DOCUMENTACION TECNICA


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ITC008 TECHNISCHE DOKUMENTATION VERSION 2
ITC008 DOCUMENTAZIONE TECNICA VERSION 2
ITC008 DOCUMENTACION VERSION 2

21HT195 PARTS LIST 36013360
21HT195 LISTE DE PIECES DETACHEES
21HT195 ERSATZTEILLISTE
21HT195 LISTA PARTI DI RICAMBIO
21HT195 LISTE DE PIEZAS DE REPUESTO

21HT195

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FI010	0FWK6257K FOS	10545030	
FI020	K9659D 33M9HZ FOS	21132460	
FI030	40M4HZ	10664720	
FI050	5M74HZ	20338170	
QS101	18M432HZ	21414780	
QV001	12M0HZ	25418130	
			
LH010, LI032, LL040, LS103, LV001,004	10UH	15039640	
LI031	6,8UH 5%	13052120	
			
RB001,004, RL026	1K5 OHM 5% 0,50W	10121880	
RB013	10R0 OHM 10% 0,50W	15000160	
RB031,051,071	560R0 OHM 10% 0,50W	10257590	
RF004,006	1K5 OHM 1% 0,25W	80437630	
RF007	1R21 OHM 1% 0,70W	13010820	
RF008	1R5 OHM 5% 0,25W	△ 13063950	
RL010	0R1 OHM 10% 0,40W	△ 15022510	
RL012	0R22 OHM 5% 0,50W	△ 10305450	
RL040	47R0 OHM 5% 0,35W	△ 20923340	
RP001	4R7 OHM 5% 10W	11063840	
RP002	18R0 OHM 230V PTC	△ 10509980	
RP009	470K0 OHM 5% 1W	△ 21185660	
RP015	10M0 OHM 5% 1W	△ 21090250	
RP020	0R68 OHM 5% 2,5W	20822410	
RP056	130K0 OHM 1% 0,25W	15514320	
RP210	47R0 OHM 5% 3W	90572360	
RP281	1R0 OHM 1% 0,25W	15015430	
RS103	3R9 OHM 5% 0,25W	15009970	
RS216,219	4R7 OHM 5% 0,35W	△ 10226310	
RV001	15K0 OHM 5% 0,10W	10135050	
RZ05	29K4 OHM 1% 0,25W	60442370	
RZ07	27K4 OHM 1% 0,25W	80437740	
			
CB001	10N0F 3K0V	14036450	
CB003,006, CL041	10UF 20% 250V	13039480	
CB004	47N0F 5% 250V	40433080	
CF004	1N0F 10% 50V	10138550	
CH008, CV002	100U0F 20% 25V	43269060	
CI055, CV003	100P0F 10% 16V	20947390	
CL010,012,026, 040, CP026,068	330P0F 10% 1K0V	14030320	
CL021	8N8F 3,5% 1K6V	△ 43416000	
CL022	330P0F 10% 2K0V	20833150	
CL023	270N0F 5% 250V	△ 21265580	
CL060, CP097, CV072	4U7F 20% 100.0V 85C	13070930	
CP001,002	100N0F 20% 275V	△ 10364920	
CP004,005,006	1N5F 10% 1K0V	20338740	
CP008	150U0F 20% 400V	13050060	

CP009	2N2F 20% 1K6V	10571760	
CP015	2N2F 20% 400V	△ 10660820	
CP050	470P0F 5% 63V	15001790	
CP063	680P0F 5% 63V	15001830	
CP080	220U0F 20% 200V	10658570	
CP088	2N2F 2K0V	14036020	
CV001,004	220N0F 10% 10V	20947540	
CV005	2N7F 10% 50V	10138630	
CV006,008	1U0F 10% 6.3V	25491000	
CV007	4.7NF 10% 50V	10138710	
			
LL005	FBT JF0501-19544	△ 21323130	
LL026	58U0H	△ 21426470	
LL032	DRIVER	20936440	
LP002	60MH	△ 21315930	
LP003	SMTEU-D160	△ 21261120	

OTHER PARTS AUTRES PIECES SONSTIGE TEILE ALTRE PARTI OTRAS PIEZAS

BB005	CATHODE RAY TUBE SOCKET SUPPORT TUBE CATHODIQUE BILDROEHRENFASSUNG SUPPORTO TUBO CATODICO SOPORTE T.R.C	△ 1506533A	
BJ110	HEADPHONE SOCKET PRISE CASQUE KOPFHOERERBUCHSE PRESA JACK TOMA JACK	56029020	
BK003	CINCH SOCKET 3 ASSY ENSEMBLE 3 PRISES CINCH CHINCH 3 BUCHSEN-EINHEIT ASSIEME 3 PRESA CINCH CONJUNTO 3 TOMA CINCH	21296150	
BQ112	HEADPHONE SOCKET PRISE CASQUE KOPFHOERERBUCHSE PRESA JACK TOMA JACK	21117680	
BR001	CABLE FLAT 8 PINS 400MM CABLE NAPPE 8 PINS 400MM KABEL FLACH 8 PINS 400MM CAVO FALDA 8 PINS 400MM CABLE 8 PINS 400MM	△ 2120041A	
BS003	CONNECTOR CONNECTEUR STECKVERBINDUNG CONNETTORE CONECTOR	11095570	
BS004	CONNECTOR CONNECTEUR STECKVERBINDUNG CONNETTORE CONECTOR	70438840	
BU002	USB SOCKET PRISE USB USB-BUCHSE PRESA USB TOMA USB	56056520	
BX010	SCART SOCKET (BLACK) PRISE PERITEL (NOIR) EURO-AV-BUCHSE (SCHWARZ) EUROPRESA NORMALIZZATA (NERA) EUROCONECTOR (NEGRA)	60068900	

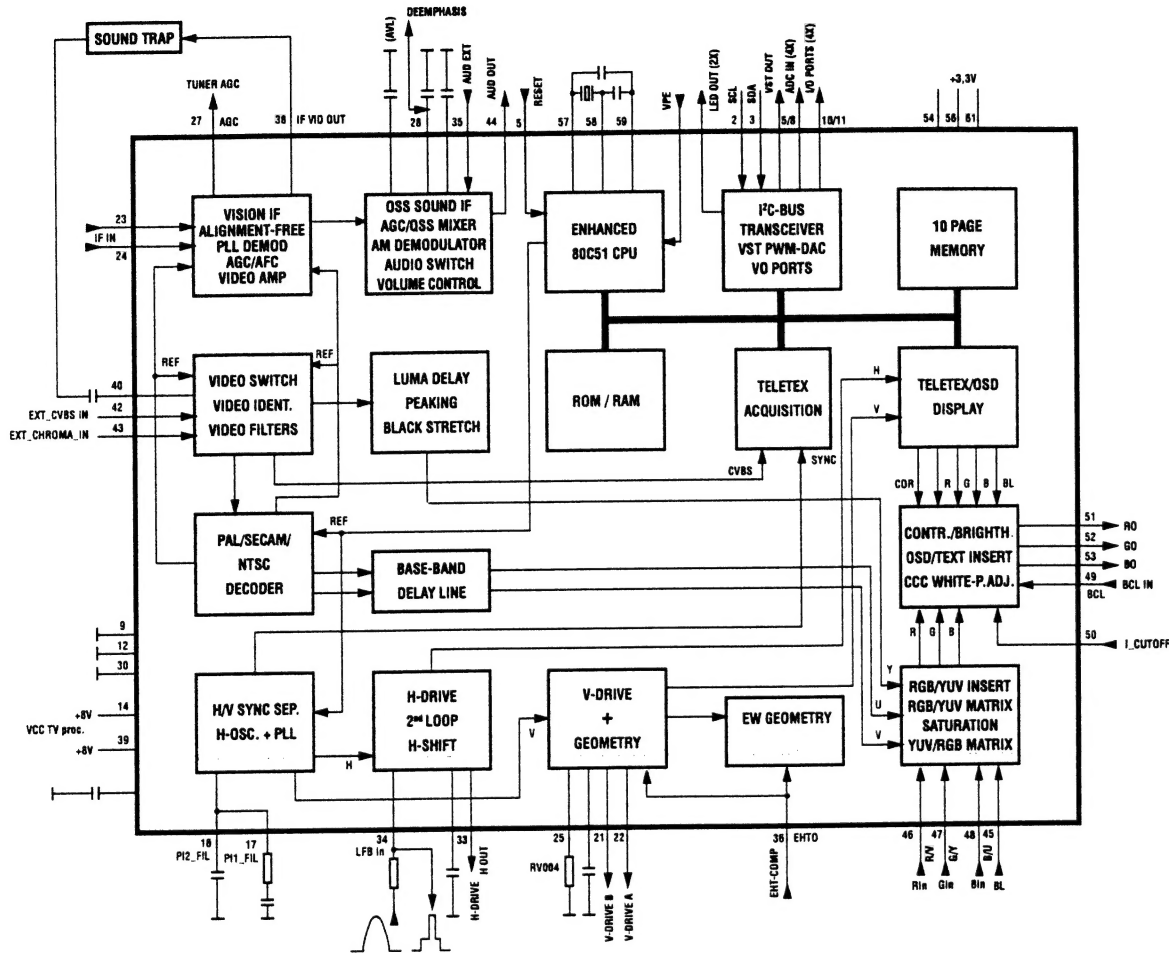
BX100	CONNECTOR 21 PINS CONNECTEUR 21 VOIES VERBINDEREL 21-POLIG CONNETTORE 21 SPINOTTI CONECTOR 21 PUNTOS	△ 21219710	
CH200	ON/OFF SWITCH MSB2000 CONTACTEUR MARCHE/ARRET MSB2000 EIN-AUS SCHALTER MSB2000 CONTATTORE ACCESSO/ SPENTO MSB2000 CONTACTOR MARCHA/PARADA MSB2000	△ 10276500	
CH201	CABLE WITH CONNECTOR 2 PINS 500MM CABLE AVEC CONNECTEUR 2 VOIES 500MM KABEL MIT VERBINDER 2 PINS 500MM CAVO CON CONNETTORE 2 SPINOTTI 500MM CABLE CON CONECTOR 2 PUNTOS 500MM	25419710	
FP001	1AGT 250V TIME-LAG FUSE 1AGT 250V FUSIBLE TEMPORISE 1AGT 250V SICHERUNG 1AGT 250V FUSIBILE TEMPORIZZATO 1AGT 250V FUSIBLE TEMPORIZADO	△ 48064700	
NH001	CTF5560 UHF/VHF TUNER CTF5560 TETE UHF/VHF CTF5560 UHF/VHF TUNER CTF5560 TUNER UHF/VHF CTF5560 SINTONIZADOR UHF/VHF	21383640	
SK101,102,103, 104,105,106, 107,108	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUTTORE MICROCONTACTOR	25380930	
SP001	RELAY 12V RELAIS 12V RELAIS 12V RELE 12V RELE 12V	△ 20620640	

EQUIPMENT/PRESENTATION EQUIPEMENT/PRESENTATION AUSSTATTUNG/GEHAEUSE PARTI VARIE EQUIPO/PRESENTACION

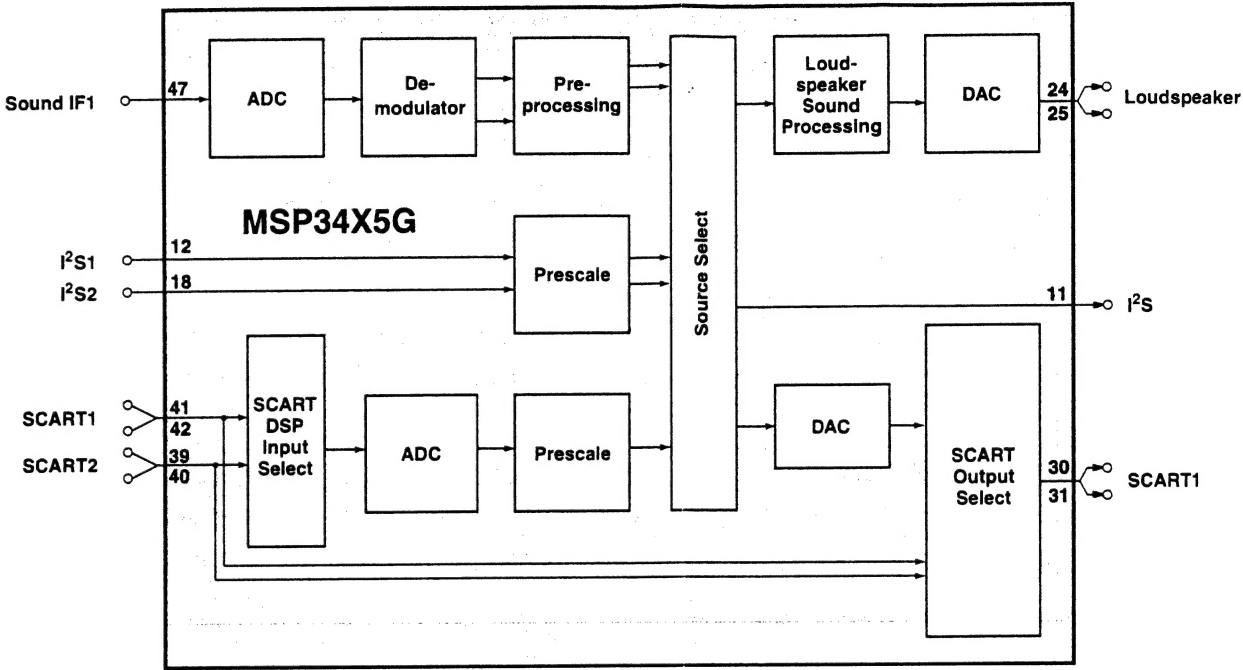
FITTING SET	ENSEMBLE DE CALES POLSTER KIT ASSIEME DISTANZIATORE CONJUNTO CALZO	25820690	
LOGO THOMSON CHROME	LOGO THOMSON CHROME SCHRIFFTUG THOMSON CHROME MARCHIO THOMSON CHROME LOGOTIPO THOMSON CHROME	25657790	
CARTON MIDDLE	CARTON INTERMEDIAIRE KARTON MITTELTEIL CARTONE MEZZO CARTON MEDIO	25796600	
FOLDING BOX	EMBALLAGE CARTON KARTON IMBALLAGGIO CARTONE EMBALAJE CARTON	25820710	
FRONT PANEL BS04TH	FACADE BS04TH FRONTPLATTE BS04TH PANNELLO FRONTALE BS04TH PANEL FRONTAL BS04TH	3598832A	

INTEGRATED CIRCUITS BLOCK DIAGRAMS - SYNOPTIQUES INTERNES DES CIRCUITS INTEGRÉS - INTEGRIERTE SCHALTUNGEN BLOCKSCHALTBILDER -
SCHEMA A BLOCCHI DEL CIRCUITI INTEGRATI - VISTA INTERNA DE LOS CIRCUITOS INTEGRADOS

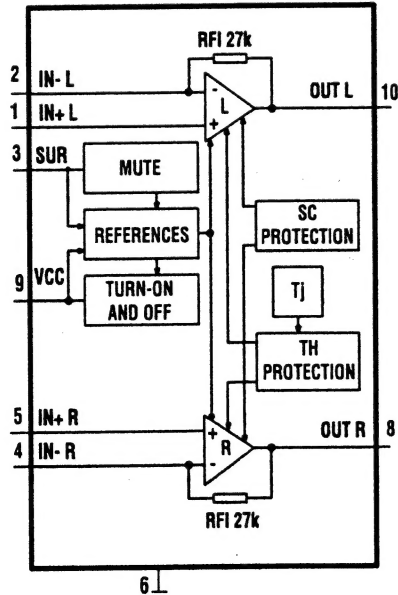
MICROPROCESSOR - TDA9554



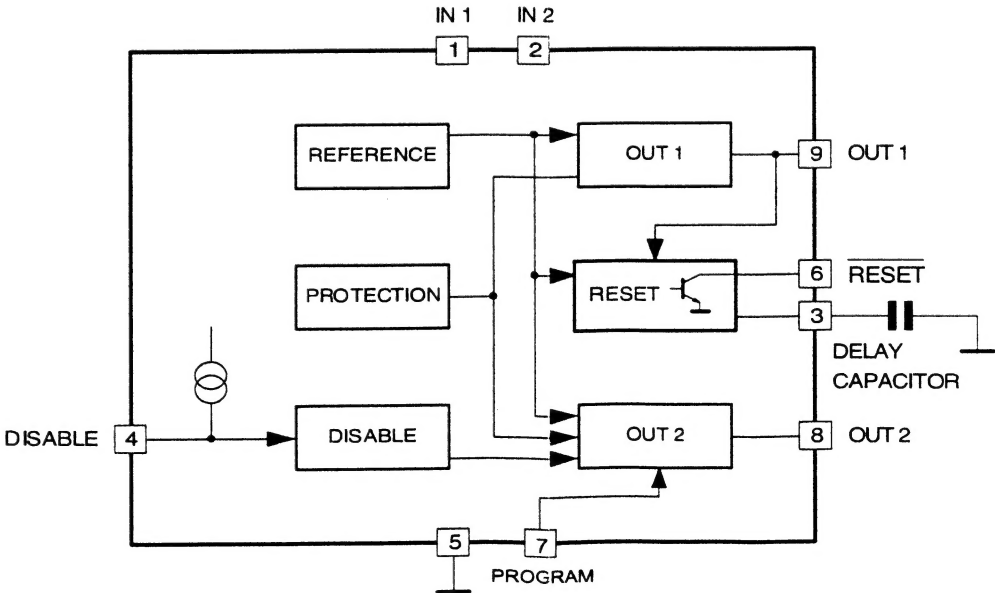
MSP3415G - SOUND PROCESSOR



AUDIO POWER AMPLIFIER - TDA7253 - TDA7263



STV8130 - 3.3V AND ADJUSTABLE VOLTAGE REGULATOR



LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS - ABKÜRZUNGEN
LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES

● AUDIO MUTE	MUTE AUDIO AMPLIFIER
● BCL	BEAM CURRENT LIMITING INFORMATION
● B	BLUE SIGNAL TO VIDEO AMPLIFIER
● CVBS	COMPOSITE VIDEO BASE BAND SIGNAL
● DEGAUSS	DEGAUSS SIGNAL
● G	GREEN SIGNAL TO VIDEO AMPLIFIER
● HDRIVE	DRIVE SIGNAL FOR HORIZONTAL DEFLECTION
● HEATER	HEATER VOLTAGE
● I_CUT	CUT OFF CURRENT
● IR	DATA FROM INFRARED RECEIVER
● LFB	HORIZONTAL FLYBACK REFERENCE
● PO	POWER ON. SIGNAL FROM MICRO. TO POWER SUPPLY. SWITCHES THE POWER SUPPLY FROM STANDBY TO ON.
● R	RED SIGNAL TO VIDEO AMPLIFIER
● SCL	SERIAL CLOCK
● SDA	SERIAL DATA
● UA	POSITIVE AUDIO VOLTAGE
● UB1 / USYS	SYSTEM VOLTAGE
● U_SYS_MOD	SIGNAL TO MODULATE USYS
● UVIDEO	VIDEO VOLTAGE FOR THE CRT BOARD
● V_DRIVE	DRIVE SIGNAL FOR VERTICAL DEFLECTION
● +VSUPPLY	POSITIVE SUPPLY VOLTAGE FOR VERTICAL POWER AMPLIFIER
● -VSUPPLY	NEGATIVE SUPPLY VOLTAGE FOR VERTICAL POWER AMPLIFIER
● V12	SUPPLY VOLTAGE FROM POWER SUPPLY. USED FOR THE DRIVER CIRCUIT START UP
● +3V3UP	POSITIVE SUPPLY FOR GESTION PART IV001
● +33V	TUNER VOLTAGE



Television

Chassis

ITC008

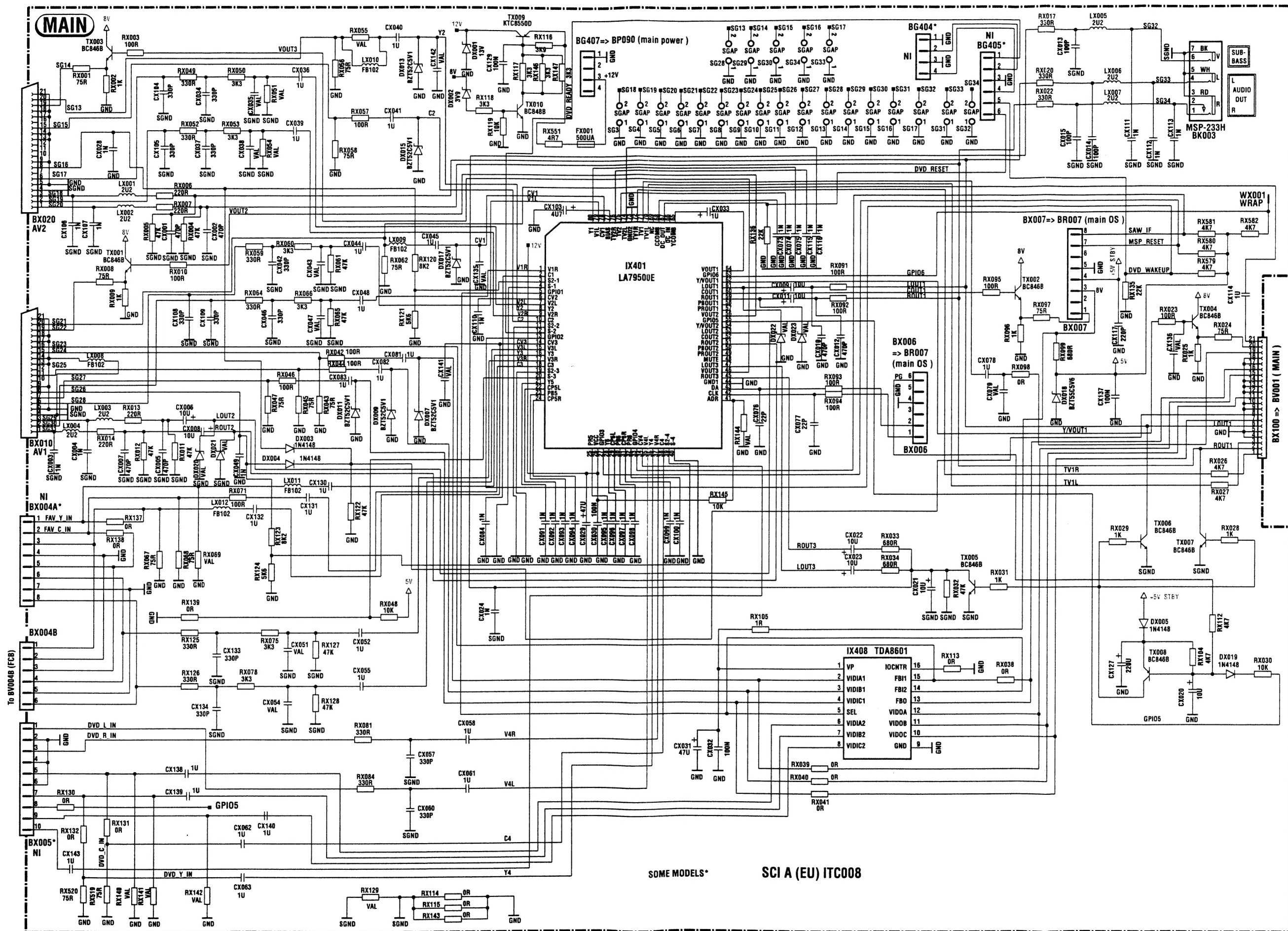


Data processing

Symptom description

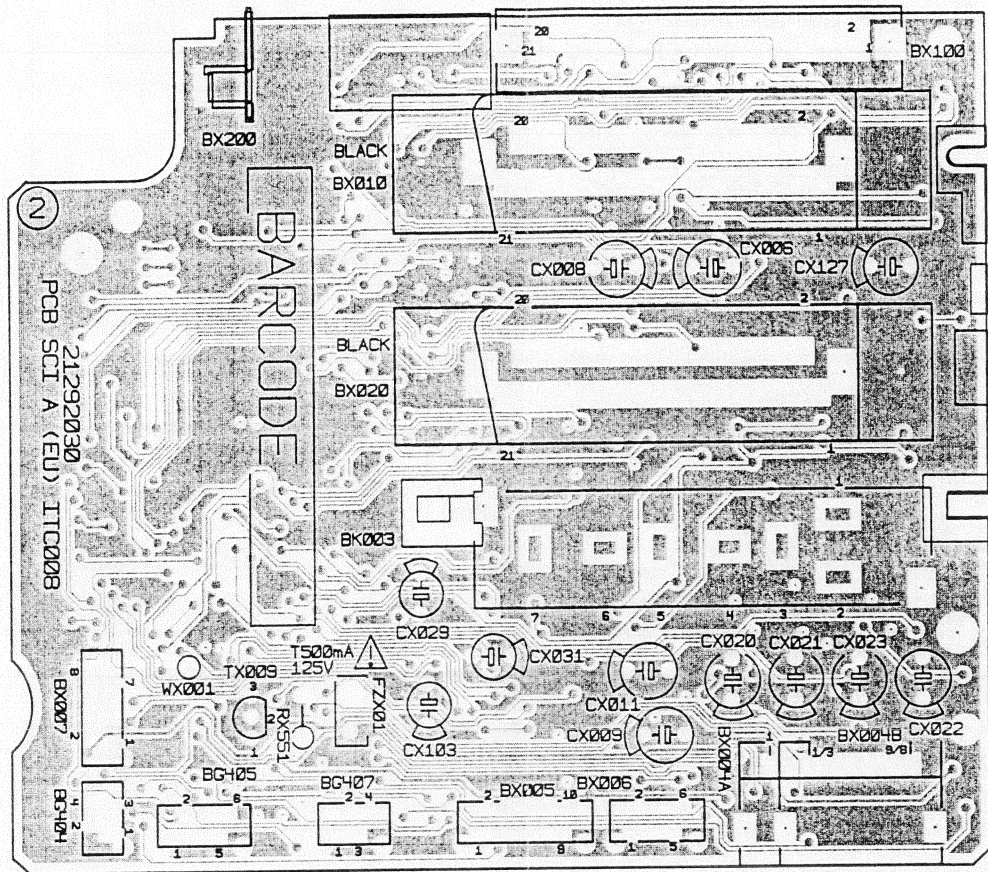
The set switch OFF and switch ON again without reason.
Colour flashing on the screen.

SCART INTERFACE - INTERFACE PERITELEVISION - SCART INTERFACE - PRESA PERITEL- EUROCONECTOR

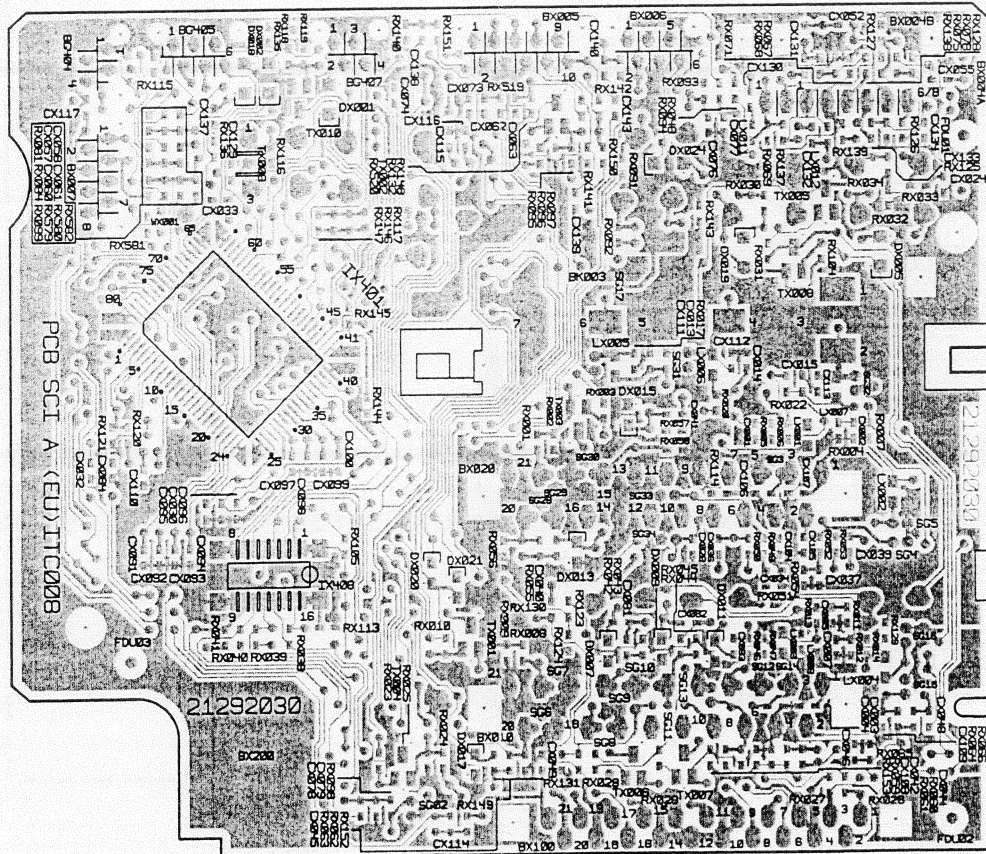


SCART INTERFACE - INTERFACE PERITELEVISION - SCART INTERFACE -
PRESA PERITEL- EUROCONECTOR

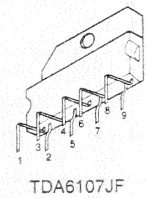
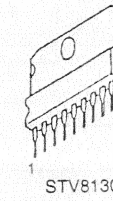
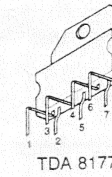
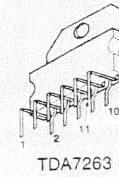
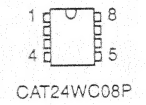
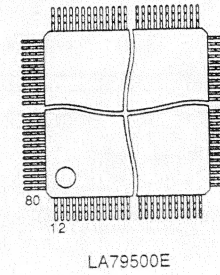
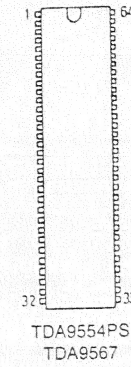
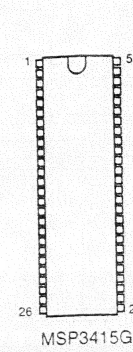
COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS
 INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR
 CIRCUITOS INTEGRADOS Y TRANSISTORES

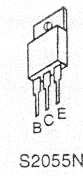
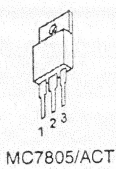
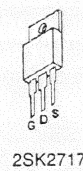


BC846 B
BC848B
BC856 B
BC858B
BCR141
BCR185
BCR191
DTC144EK
RN1402
RN2402
RN1409
RN2417

BC 337-40
BC548B
BC558B

KTC8550D
S1423

TL431
1: REFERENCE
2: ANODE
3: CATHODE



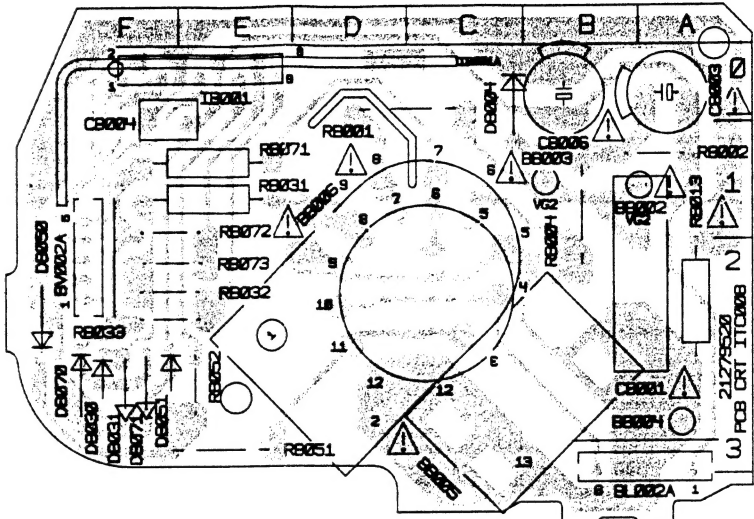
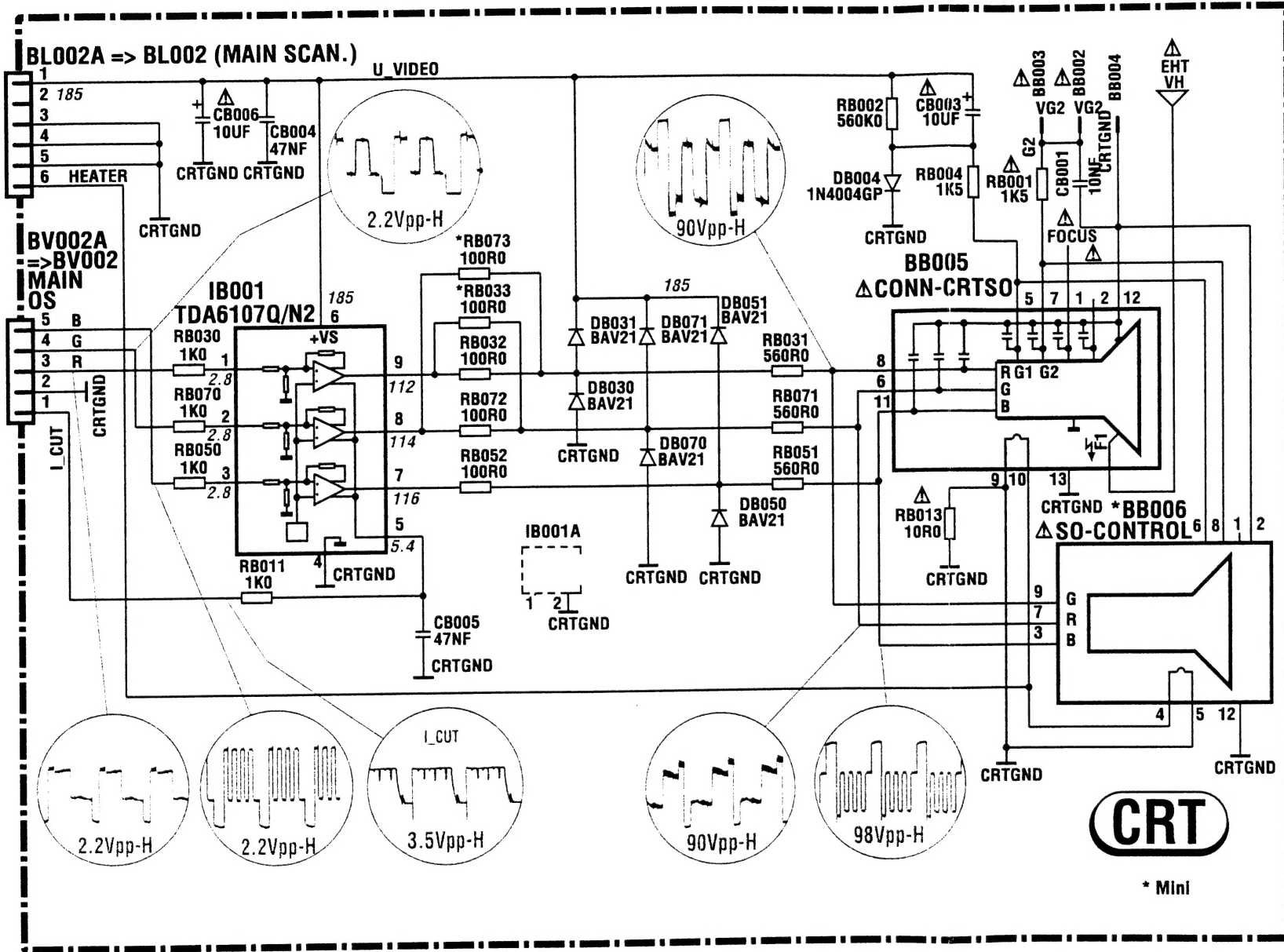
2SK2717

MC7805/ACT

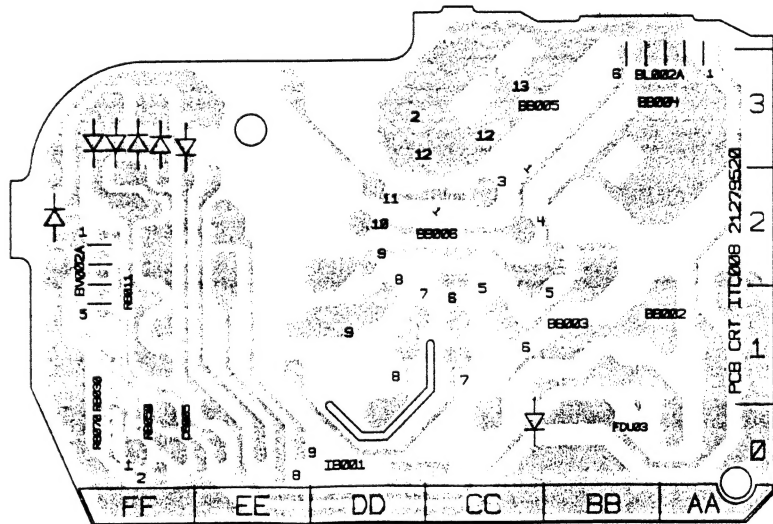
S2055N

VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE - PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

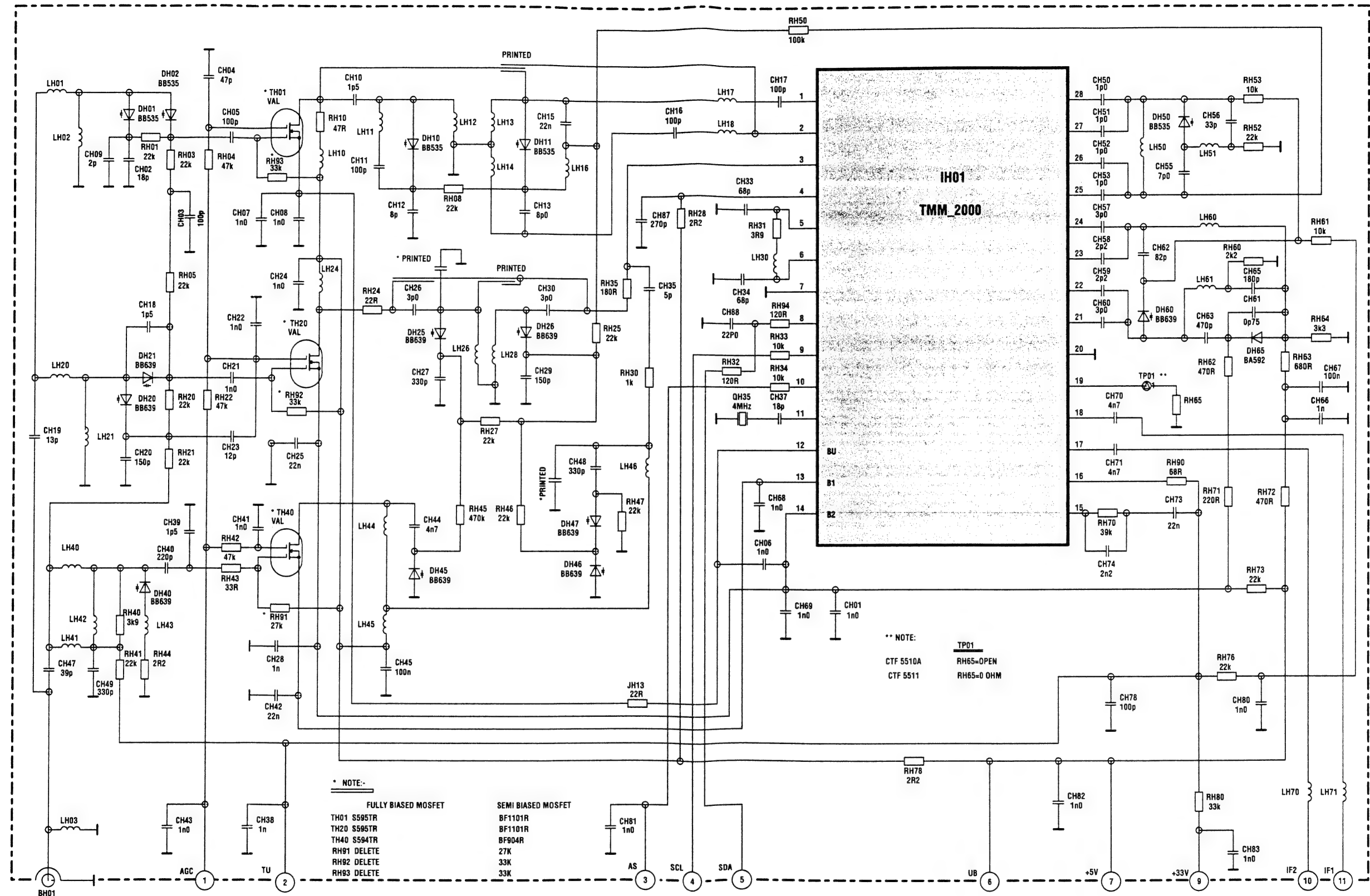
COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE
- LADO SOLDADURAS



VHF / UHF TUNER CTF 5510 - CTF 5511

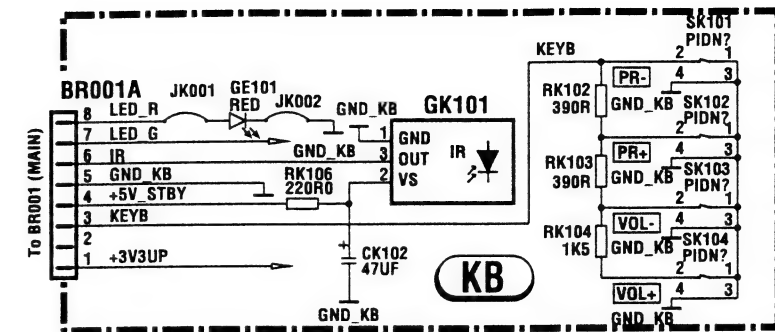


COMPONENTS LOCATION - LOCALISATION DES ELEMENTS - LAGE DER BAUTEILE
LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTES

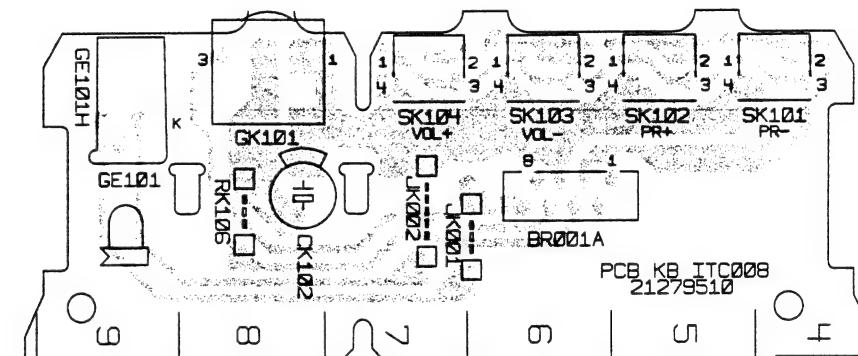
* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE

<div>123</div> <div>BF001 * UU11 BF002A S13 BF002B R13 BH001 * XX1 BH002 W1 BH002 * WW1 BJ005 D5 BJ005 * DD5 BJ006 D6 BJ006 * DD6 BL001 U11 BL002 S12 BL002 * XX11 BL002 * SS12 BL003 T16 BL003 * TT15 BL003A T16 BL003B T15 BL003C T15 BL004 U15 BL004 * TT15 BL005 R14 BL005 * RR13 BL005A R13 BL005B R13 BL006 S3 BL006 * SS3 BL007 V12 BL007 * VV12 BL008 W10 BL008 * WW10 BL009 W10 BL009 * WW10 BP001 J13 BP001 * HH13 BP0013A HH13 BP0013B HH13 BP001A H13 BP001B H13 BP002 G11 BP002 * HH10 BP002A G10 BP002B G10 BP003 G14 BP003 * HH14 BP006A P7 BP006A * PP7 BP006B P7 BP006B * PP7 BP006C M7 BP006C * MM7 BP006D P12 BP006E P11 BP007 H8 BP007 * HH8 BP007A H8 BP007B H8 BP007C H8 BP008 H12 BP008 * HH11 BP008A H12 BP008B H11 BP011 E9 BP011 * EE10 BP011A E10 BP011B E10 BP012 F13 BP012 * FF12 BP012A F12 BP012B F12 BP013A H13 BP013B H13 BP015 N14 BP015B L14 BP016A F11 BP016B E11 BP020 H15 BP020 * HH15 BP090 P6 BP090 * PP6 BP091 N6 BP099 Q12 BP099 * QQ12 BR001 F7 BR001 * EE7 BR002 * XX8 BR003 R7 BR003 * RR7 BR004 Q0 BR004 * QQ0 BR005 T0 BR005 * TT0 BR006 S0 BR006 * SS0 BR007 U3 BR007 * VV3 BR008 E6 BR009 F8</div>	<div>BR009 * FF7 BR010 P1 BR010 * NN1 BR016 S0 BR016 * SS0 BR017 V3 BS002 H0 BS002 * HH1 BS003 G3 BS004 G2 BS004 * HH2 BS005 * XX1 BS006 * WW0 BS008 E4 BS008 * DD4 BS009 M3 BS009 * MM3 BV001 W7 BV001 * XX5 BV002 R7 BV002 * RR7 BV004 F6 BV004 * FF6 BV008 * EE6 BZ01 * XX15</div> <div>CF003 R8 CF005 R9 CF008 R11 CF009 R11 CF010 R9 CF101 Q9 CH001 * UU1 CH003 W1 CH004 * VV2 CH005 * WW2 CH006 * WW2 CH010 * UU2 CH011 * WW2 CI010 * TT1 CI021 * VV4 CI023 * UU2 CI043 * SS1 CI045 * UU2 CI050 * TT4 CI054 U4 CI055 * TT4 CI058 * RR2 CI059 * UU3 CI060 * VV3 CI061 * TT4 CI062 T3 CI063 * TT4 CI064 * TT4 CI070 * SS7 CI071 S6 CI072 T8 CI073 * TT8 CI074 * TT5 CI075 * UU7 CI076 * UU7 CI080 * WW7 CI081 * WW7 CJ004 * DD6 CJ020 * EE7 CK012 E8 CL005 U9 CL006 * VV9 CL010 V12 CL011 V11 CL012 V10 CL021 S16 CL022 U12 CL023 R14 CL024 R16 CL025 Q14 CL026 R13 CL027 S15 CL030 * UU10 CL033 * SS12 CL034 * TT11 CL035 T8 CL036 * SS12 CL040 W12 CL041 W11 CL054 * VV14 CL060 T11 CL061 * WW12 CL28 S14 CP001 F14 CP002 F11 CP004 J9 CP005 J10 CP006 J8 CP008 M9 CP009 L11 CP012 G10 CP015 M14</div>	<div>CP018 H16 CP022 K14 CP024 J11 CP025 J11 CP026 K12 CP032 M7 CP033 K13 CP034 N7 CP035 L7 CP036 L7 CP037 J12 CP038 H13 CP039 J13 CP040 J15 CP050 L16 CP053 P16 CP060 P11 CP062 Q10 CP063 N8 CP064 N7 CP066 J7 CP068 P10 CP080 P15 CP082 P13 CP088 P13 CP093 Q9 CP094 P7 CP097 L6 CP123 * KK12 CP131 * MM7 CP166 * LL7 CP198 * HH7 CR001 * PP1 CR002 * PP1 CR003 * PP1 CR004 * PP4 CR005 P3 CR006 * QQ4 CR007 * QQ4 CR008 * QQ4 CR009 N1 CR010 * QQ5 CR012 * RR3 CR013 * XX4 CR014 * XX4 CR022 * WW7 CR023 * QQ1 CR024 * WW8 CR033 * QQ4 CR057 * UU7 CR071 V0 CR074 * SS7 CS001 * WW0 CS002 * WW0 CS003 * DD4 CS004 * DD5 CS005 F4 CS006 * EE5 CS007 * EE5 CS008 F4 CS101 U4 CS102 * VV3 CS104 M4 CS105 * VV4 CS106 * LL4 CS107 J5 CS108 * LL4 CS109 L4 CS110 K4 CS111 * LL4 CS112 K5 CS113 * KK3 CS114 K4 CS115 * KK3 CS116 * WW4 CS117 J6 CS118 * VV4 CS119 * KK3 CS120 K5 CS121 * JJ4 CS123 * GG4 CS124 * GG4 CS125 * GG5 CS126 * GG4 CS127 * HH4 CS128 H5 CS129 * JJ4 CS130 * MM3 CS130 * HH4 CS131 * JJ4 CS132 * JJ4 CS133 * HH4 CS134 * LL3 CS135 M2 CS136 L2 CS137 * LL3 CS138 * LL3 CS139 * KK3 CS140 U4 CS141 * UU5 CS146 * JJ3</div>	<div>CS147 * JJ3 CS148 F5 CS151 * KK3 CS152 * KK3 CS201 J2 CS202 J0 CS203 L2 CS204 M0 CS205 * LL0 CS206 H3 CS207 K2 CS208 * HH1 CS209 * EE4 CS210 * HH0 CS211 H1 CS212 * HH1 CS214 K2 CS215 * GG3 CS216 G4 CS415 K3 CV001 * RR4 CV002 R3 CV003 * RR4 CV004 * RR4 CV005 * RR4 CV006 * RR3 CV007 * SS4 CV008 * SS4 CV009 * SS4 CV010 * SS4 CV011 * SS3 CV012 * SS4 CV013 S3 CV014 * QQ4 CV015 * QQ4 CV018 R6 CV019 * RR4 CV020 * RR6 CV021 * RR6 CV022 * RR6 CV023 * RR5 CV024 * SS5 CV025 * SS5 CV026 * SS5 CV027 * SS5 CV029 * SS4 CV030 T5 CV033 * UU5 CV035 * RR6 CV036 * WW4 CV040 * WW7 CV041 * WW6 CV042 * WW5 CV043 * WW5 CV044 * WW5 CV045 Q7 CV046 * QQ6 CV051 * XX4 CV052 * XX4 CV070 * TT4 CV071 * TT5 CV072 S7 CV076 * SS4 CV108 * SS4 CV111 * SS3 CV113 * SS4 CZ03 * VV15</div> <div>FDU02 * XX0 FI010 S3 FI010 * SS2 FI020 * TT3 FI030 T1 FI050 T7 FI050 * WW8 FI050 * TT7 FI051 W8</div> <div>FI0520 U3 FP001 * HH14 FP001A J15 FP001B H14 FP003 H11 FP003 * HH10 FZP30 M6 FZP60 P12 FZP61 N10 FZP66 K6 FZP93 P9</div> <div>GE001 D7 GK001 E9 GR082 * WW7</div> <div>IF001 R10 IF001 * RR10 IP001 L15 IP001 * LL15 IP030 L7 IP030 * LL8 IP030A K7 IP031 J6</div>	<div>DP002 H10 DP003 J10 DP004 J9 DP005 J8 DP023 K12 DP025 K11 DP026 K12 DP027 L10 DP028 K10 DP030 K15 DP033 K14 DP036 K7 DP037 H11 DP040 K13 DP057 P15 DP061 P11 DP063 N8 DP071 F6 DP080 P14 DP093 P8 DP095 K5 DP097 N6 DP099 H6 DR001 N3 DR002 * PP1 DR011 V1 DR011 * QQ4 DR012 U1 DR013 P4 DR014 * WW6 DR015 * WW6 DR016 W4 DR017 W4 DR018 W4 DR020 W4 DR021 W3 DR021 * XX8 DR022 W3 DR023 W3 DR024 W3 DS003 * HH3 DS101 N1 DS201 H6 DS202 G6 DS203 * LL4 DS204 * MM0 DS206 * QQ4 DV001 R8 DV070 * VV8 DV071 T6 DV073 W5 DZ01 * WW15 DZ03 W15 DZ05 W9</div> <div>FDU02 * XX0 FI010 S3 FI010 * SS2 FI020 * TT3 FI030 T1 FI050 T7 FI050 * WW8 FI050 * TT7 FI051 W8</div> <div>FI0520 U3 FP001 * HH14 FP001A J15 FP001B H14 FP003 H11 FP003 * HH10 FZP30 M6 FZP60 P12 FZP61 N10 FZP66 K6 FZP93 P9</div> <div>GE001 D7 GK001 E9 GR082 * WW7</div> <div>IF001 R10 IF001 * RR10 IP001 L15 IP001 * LL15 IP030 L7 IP030 * LL8 IP030A K7 IP031 J6</div>	<div>IP031 * JJ7 IP050 L16 IP050 * MM16 IR001 Q1 IR001 * PP1 IS100 H3 IS100 * HH3 IS200 K0 IS200 * JJ0 IS200A M1 IV001 U4 IV001 * SS4</div> <div>JE001 * DD8 JF002 S8 JF005 Q8 JF009 * SS8 JF012 R11 JF910 * SS9 JH001 S1 JH002 W1 JH003 V1 JH004 * VV2 JH006 S1 JH009 T2 JH010 V3 JH011 N0 JI013 U6 JI018 * TT2 JI100 V8 JI101 * UU5 JI110 V7 JI120 S6 JI130 T6 JI140 U7 JI150 * TT7 JI160 T2 JI170 T7 Ji922 * WW2 Ji923 * UU4 Ji950 * TT3 JK001 * DD9 JK501 * EE7 JL003 V9 JL006 U9 JL052 W9 JL055 U15 JL901 T10 JL902 T14 JL903 T13 JL905 U9 JL906 U9 JL907 U9 JL908 V15 JL921 T15 JL990 T13 JL991 T14 JL992 T14 JL994 T9 JL995 * UU10 JP001 G15 JP002 G15 JP003 H10 JP004 F9 JP005 F15 JP006 G8 JP007 H8 JP008 H11 JP009 F9 JP010 F16 JP011 F16 JP012 G16 JP013 G9 JP014 E9 JP017 L9 JP019 K13 JP020 K14 JP022 K8 JP028 Q9 JP029 Q14 JP032 J14 JP034 J6 JP035 G6 JP036 L16 JP050 P10 JP051 N10 JP052 N10 JP053 N10 JP054 N10 JP055 M8 JP056 M8 JP057 M8 JP058 N14 JP059 P8 JP060 Q9 JP061 M5 JP065 Q14 JP066 Q15</div> <div>JE001 * DD8 JF002 S8 JF005 Q8 JF009 * SS8 JF012 R11 JF910 * SS9 JH001 S1 JH002 W1 JH003 V1 JH004 * VV2 JH006 S1 JH009 T2 JH010 V3 JH011 N0 JI013 U6 JI018 * TT2 JI100 V8 JI101 * UU5 JI110 V7 JI120 S6 JI130 T6 JI140 U7 JI150 * TT7 JI160 T2 JI170 T7 Ji922 * WW2 Ji923 * UU4 Ji950 * TT3 JK001 * DD9 JK501 * EE7 JL003 V9 JL006 U9 JL052 W9 JL055 U15 JL901 T10 JL902 T14 JL903 T13 JL905 U9 JL906 U9 JL907 U9 JL908 V15 JL921 T15 JL990 T13 JL991 T14 JL992 T14 JL994 T9 JL995 * UU10 JP001 G15 JP002 G15 JP003 H10 JP004 F9 JP005 F15 JP006 G8 JP007 H8 JP008 H11 JP009 F9 JP010 F16 JP011 F16 JP012 G16 JP013 G9 JP014 E9 JP017 L9 JP019 K13 JP020 K14 JP022 K8 JP028 Q9 JP029 Q14 JP032 J14 JP034 J6 JP035 G6 JP036 L16 JP050 P10 JP051 N10 JP052 N10 JP053 N10 JP054 N10 JP055 M8 JP056 M8 JP057 M8 JP058 N14 JP059 P8 JP060 Q9 JP061 M5 JP065 Q14 JP066 Q15</div> <div>JE001 * DD8 JF002 S8 JF005 Q8 JF009 * SS8 JF012 R11 JF910 * SS9 JH001 S1 JH002 W1 JH003 V1 JH004 * VV2 JH006 S1 JH009 T2 JH010 V3 JH011 N0 JI013 U6 JI018 * TT2 JI100 V8 JI101 * UU5 JI110 V7 JI120 S6 JI130 T6 JI140 U7 JI150 * TT7 JI160 T2 JI170 T7 Ji922 * WW2 Ji923 * UU4 Ji950 * TT3 JK001 * DD9 JK501 * EE7 JL003 V9 JL006 U9 JL052 W9 JL055 U15 JL901 T10 JL902 T14 JL903 T13 JL905 U9 JL906 U9 JL907 U9 JL908 V15 JL921 T15 JL990 T13 JL991 T14 JL992 T14 JL994 T9 JL995 * UU10 JP001 G15 JP002 G15 JP003 H10 JP004 F9 JP005 F15 JP006 G8 JP007 H8 JP008 H11 JP009 F9 JP010 F16 JP011 F16 JP012 G16 JP013 G9 JP014 E9 JP017 L9 JP019 K13 JP020 K14 JP022 K8 JP028 Q9 JP029 Q14 JP032 J14 JP034 J6 JP035 G6 JP036 L16 JP050 P10 JP051 N10 JP052 N10 JP053 N10 JP054 N10 JP055 M8 JP056 M8 JP057 M8 JP058 N14 JP059 P8 JP060 Q9 JP061 M5 JP065 Q14 JP066 Q15</div>	<div>JP067 N6 JP068 M5 JP069 M7 JP070 E14 JP071 E13 JP072 E14 JP073 E13 JP074 N4 JP075 Q7 JP076 M5 JP082 P6 JP085 P8 JP121 * JJ11 JP162 * NN6 JP163 N6 JP164 * MM7 JP185 * NN6 JR001 U0 JR003 Q7 JR004 N5 JR005 V6 JR006 P0 JR007 S0 JR008 R7 JR009 S5 JR010 * VV2 JR012 R1 JR012 P0 JR012 Q7 JR014 N5 JR015 Q1 JR016 M6 JR017 P3 JR018 N2 JR019 P3 JR020 N2 JR021 * JJ5 JR022 F2 JR023 P2 JR024 Q3 JR025 * FF7 JR026 * PP3 JR027 Q1 JR028 * PP3 JR029 S7 JR030 R1 JR031 V3 JR032 * PP2 JR034 * QQ1 JR036 * PP0 JR037 * QQ1 JR038 * QQ1 JR040 P6 JR041 R1 JR042 Q1 JR047 N1 JR048 * TT1 JR084 Q3 JR090 * TT4 JS009 N0 JS010 K0 JS014 L3 JS033 L5 JS034 L5 JS037 H6 JS039 N3 JS040 N3 JS041 U6 JS042 V5 JS043 F5 JS044 N4 JS045 N4 JS047 V6 JS048 N3 JS049 U6 JS052 U6 JS055 S6 JS057 V5 JS058 N4 JS060 K1 JS070 U6 JS101 E4 JS102 E4 JS103 J1 JS105 J1 JS108 F5 JS109 P0 JS110 G6 JS501 * WW4 JS502 * WW4 JS503 * EE5 JS504 * HH4 JS505 * LL2 JS506 * JJ3 JS507 * QQ1 JS508 * QQ1 JS509 * KK4 JS510 * KK4 JS511 * UU5 JS512 * MM1 JS514 * EE4</div> <div>JS515 * HH2 JS516 * HH1 JS517 * KK0 JS518 * EE4 JS519 * FF4 JS520 * GG3 JS521 * LL2 JS522 * FF6 JS523 * LL3 JS524 * LL4 JS525 * KK4 JS526 * KK3 JS527 * LL2 JS528 * LL1 JS530 * GG3 JS531 * KK3 JS532 * KK2 JS533 * VV3 JS534 * VV3 JS535 * NN3 JV001 T8 JV002 T3 JV003 * XX6 JV004 T2 JV005 * XX7 JV006 * TT4 JV007 V6 JV008 U5 JV009 * VV6 JV010 * RR7 JV011 * RR2 JV072 T8</div> <div>LH010 V0 LI010 * TT2 LI022 W7 LI030 * TT1 LI031 T7 LI032 T8 LI033 U8 LI074 * TT8 LL005 U16 LL026 Q12 LL026 * QQ12 LL032 T12 LL032 * TT11 LL033 T12 LL033 S12 LL033 * TT11 LL05 * VV13 LP002 F13 LP002 * GG13 LP003 N14 LP003 * MM11 LP003A N10 LP020 L13 LP025 J12 LP081 N14 LR001 Q6 LR002 P5 LR010 * QQ6 LS101 V3 LS102 W4 LS103 N4 LS105 H4 LS106 G5 LS107 G5 LS108 J2 LS205 * HH5 LS206 * GG5 LS207 * GG5 LS208 * JJ3 LV001 R2 LV002 Q5 LV003 Q6 LV004 T6 LV020 * QQ6 LV030 * QQ6 NH001 * XX2</div> <div>QS101 H4 QS101 * JJ4 QV001 Q5 QV001 * RR5</div> <div>RB008 * RR8 RD114 M0 RF002 * RR10 RF004 Q10 RF006 R11 RF007 R12 RF008 R11 RF009 S11 RF101 * QQ10</div>	<div>RF102 * TT9 RH002 * VV2 RH003 * WW2 RH004 * WW2 RH005 * WW2 RH006 * WW1 RH010 * VV2 RH004 * UU3 RH007 * TT2 RH021 * VV4 RH031 * SS1 RH032 * SS1 RH033 * SS2 RH040 * UU3 RH041 * UU3 RH042 * TT3 RH050 T1 RH051 * TT4 RH059 * UU2 RH060 * UU3 RH061 * VV3 RH070 * TT5 RH071 * TT6 RH072 * TT7 RH073 * TT7 RH074 * TT6 RH075 * SS7 RH076 * WW6 RH077 W6 RH078 * TT8 RH079 * SS7 RH080 M2 RH081 * WW8 RH082 * WW8 RH083 * WW8 RH084 * WW7 RH085 * VV8 RH086 * VV8 RH087 * WW8 RH087 * WW8 RH095 U6 RJ002 * EE6 RJ004 * DD6 RK001 * DD12 RK002 * DD12 RK003 * DD11 RK004 * DD10 RK005 * EE15 RK006 * EE12 RK016 * DD9 RL001 U9 RL002 U16 RL003 * VV14 RL003 * QQ10 RL004 U9 RL005 * VV9 RL006 * UU11 RL008 * UU11 RL009 * VV11 RL010 V11 RL012 U11 RL013 * VV14 RL015 * UU9 RL018 * UU11 RL019 * VV11 RL025 R16 RL026 Q13 RL030 * UU10 RL031 S10 RL032 * TT10 RL033 S11 RL034 U11 RL035 * TT12 RL036 * TT10 RL037 S8 RL038 R8 RL040 W11 RL042 W8 RL043 W8 RL044 V7 RL050 V16 RL051 * UU15 RL052 * UU15 RL055 Q16 RL060 * UU10 RL061 * XX12 RL062 * XX13 RL063 * WW13 RL068 * WW13 RL54 * UU14 RP001 K8 RP002 F10 RP002 * FF10 RP003 F10 RP003 * FF10 RP006 K9 RP007 J9 RP009 H11 RP015 G7 RP016 J16 RP019 K10</div> <div>RF102 * TT9 RH002 * VV2 RH003 * WW2 RH004 * WW2 RH005 * WW2 RH006 * WW1 RH010 * VV2 RH004 * UU3 RH007 * TT2 RH021 * VV4 RH031 * SS1 RH032 * SS1 RH033 * SS2 RH040 * UU3 RH041 * UU3 RH042 * TT3 RH050 T1 RH051 * TT4 RH059 * UU2 RH060 * UU3 RH061 * VV3 RH070 * TT5 RH071 * TT6 RH072 * TT7 RH073 * TT7 RH074 * TT6 RH075 * SS7 RH076 * WW6 RH077 W6 RH078 * TT8 RH079 * SS7 RH080 M2 RH081 * WW8 RH082 * WW8 RH083 * WW8 RH084 * WW7 RH085 * VV8 RH086 * VV8 RH087 * WW8 RH087 * WW8 RH095 U6 RJ002 * EE6 RJ004 * DD6 RK001 * DD12 RK002 * DD12 RK003 * DD11 RK004 * DD10 RK005 * EE15 RK006 * EE12 RK016 * DD9 RL001 U9 RL002 U16 RL003 * VV14 RL003 * QQ10 RL004 U9 RL005 * VV9 RL006 * UU11 RL008 * UU11 RL009 * VV11 RL010 V11 RL012 U11 RL013 * VV14 RL015 * UU9 RL018 * UU11 RL019 * VV11 RL025 R16 RL026 Q13 RL030 * UU10 RL031 S10 RL032 * TT10 RL033 S11 RL034 U11 RL035 * TT12 RL036 * TT10 RL037 S8 RL038 R8 RL040 W11 RL042 W8 RL043 W8 RL044 V7 RL050 V16 RL051 * UU15 RL052 * UU15 RL055 Q16 RL060 * UU10 RL061 * XX12 RL062 * XX13 RL063 * WW13 RL068 * WW13 RL54 * UU14 RP001 K8 RP002 F10 RP002 * FF10 RP003 F10 RP003 * FF10 RP006 K9 RP007 J9 RP009 H11 RP015 G7 RP016 J16 RP019 K10</div> <div>RF102 * TT9 RH002 * VV2 RH003 * WW2 RH004 * WW2 RH005 * WW2 RH006 * WW1 RH010 * VV2 RH004 * UU3 RH007 * TT2 RH021 * VV4 RH031 * SS1 RH032 * SS1 RH033 * SS2 RH040 * UU3 RH041 * UU3 RH042 * TT3 RH050 T1 RH051 * TT4 RH059 * UU2 RH060 * UU3 RH061 * VV3 RH070 * TT5 RH071 * TT6 RH072 * TT7 RH073 * TT7 RH074 * TT6 RH075 * SS7 RH076 * WW6 RH077 W6 RH078 * TT8 RH079 * SS7 RH080 M2 RH081 * WW8 RH082 * WW8 RH083 * WW8 RH084 * WW7 RH085 * VV8 RH086 * VV8 RH087 * WW8 RH087 * WW8 RH095 U6 RJ002 * EE6 RJ004 * DD6 RK001 * DD12 RK002 * DD12 RK003 * DD11 RK004 * DD10 RK005 * EE15 RK006 * EE12 RK016 * DD9 RL001 U9 RL002 U16 RL003 * VV14 RL003 * QQ10 RL004 U9 RL005 * VV9 RL006 * UU11 RL008 * UU11 RL009 * VV11 RL010 V11 RL012 U11 RL013 * VV14 RL015 * UU9 RL018 * UU11 RL019 * VV11 RL025 R16 RL026 Q13 RL030 * UU10 RL031 S10 RL032 * TT10 RL033 S11 RL034 U11 RL035 * TT12 RL036 * TT10 RL037 S8 RL038 R8 RL040 W11 RL042 W8 RL043 W8 RL044 V7 RL050 V16 RL051 * UU15 RL052 * UU15 RL055 Q16 RL060 * UU10 RL061 * XX12 RL062 * XX13 RL063 * WW13 RL068 * WW13 RL54 * UU14 RP001 K8 RP002 F10 RP002 * FF10 RP003 F10 RP003 * FF10 RP006 K9 RP007 J9 RP009 H11 RP015 G7 RP016 J16 RP019 K10</div>	<div>RS203 * LL1 RS204 * LL1 RS205 * LL1 RS206 * MM1 RS207 * KK2 RS209 * MM0 RS210 * JJ2 RS211 * KK2 RS212 * JJ2 RS214 L2 RS215 * LL1 RS216 J0 RS217 * KK1 RS218 * KK1 RS219 H3 RS220 * KK1 RS221 * LL1 RS225 * QQ4 RV001 * RR3 RV002 * QQ7 RV003 * QQ7 RV004 * SS4 RV005 R2 RV006 R3 RV007 * RR7 RV009 V5 RV010 R5 RV011 R5 RV012 R5 RV013 * RR5 RV016 * RR5 RV017 * RR5 RV018 * RR5 RV019 * SS6 RV021 P2 RV022 S5 RV023 * WW7 RV025 * SS6 RV029 * WW6 RV040 * XX6 RV041 W6 RV042 * WW6 RV043 W6 RV044 * WW5 RV045 * XX6 RV046 W5 RV047 W5 RV048 * WW4 RV049 * WW5 RV050 * WW4 RV051 * XX5 RV052 * WW4 RV055 * WW5 RV060 * SS6 RV062 * UU4 RV065 R1 RV070 * TT5 RV071 * TT4 RV072 * TT5 RV073 T6 RV074 * TT5 RV076 * SS6 RV077 T6 RV080 U1 RV081 * SS0 RZ01 * XX14 RZ016 W16 RZ03 * XX15 RZ09 * WW15 RZ11 * VV15</div> <div>SC218 * KK0 SK001 D13 SK001 * DD13 SK002 D12 SK002 * DD12 SK003 D11 SK003 * DD11 SK004 D10 SK004 * DD10 SK005 D14 SK005 * DD13 SK006 E15 SK006 * DD15 SP001 F8 SP001 * FF9 SP010 D15 SP010 * FF15</div> <div>TF001A T9 TI030 * SS2 TI040 * UU4 TI045 * UU3 TI050 * TT7 TI060 * TT6 TI070 * TT8 TI080 * WW8 TI090 * VV7 TL031 * TT10 TL032 T11 TL032 * TT11 TL033 S10</div>	<div>TL033 * SS11 TL035 S12 TL035 * SS13 TL035A S14 TL050 * VV14 TL060 * UU10 TL061 * WW12 TL062 * WW13 TP020 L14 TP020 * LL14</div>
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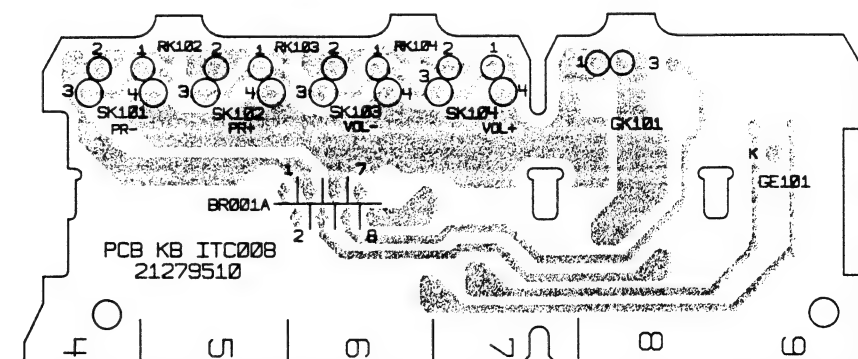
KEYBOARD - CIRCUITS DE COMMANDES - SCHALTBILD BEDIENTEIL - SCHEMA DEI CIRCUITI TASTIERA - ESQUEMA DE LOS CIRCUITOS MANDOS



COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES

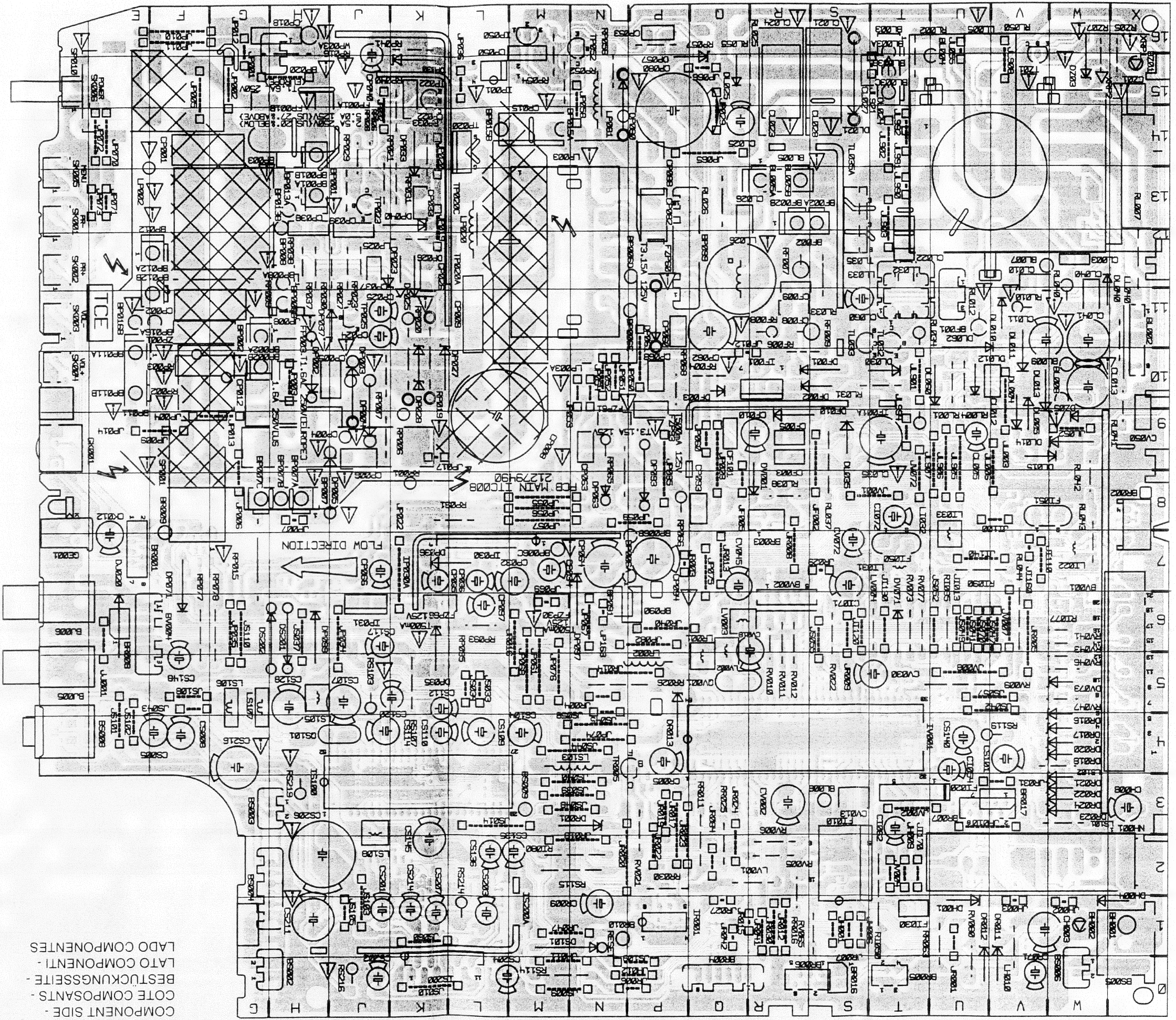


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

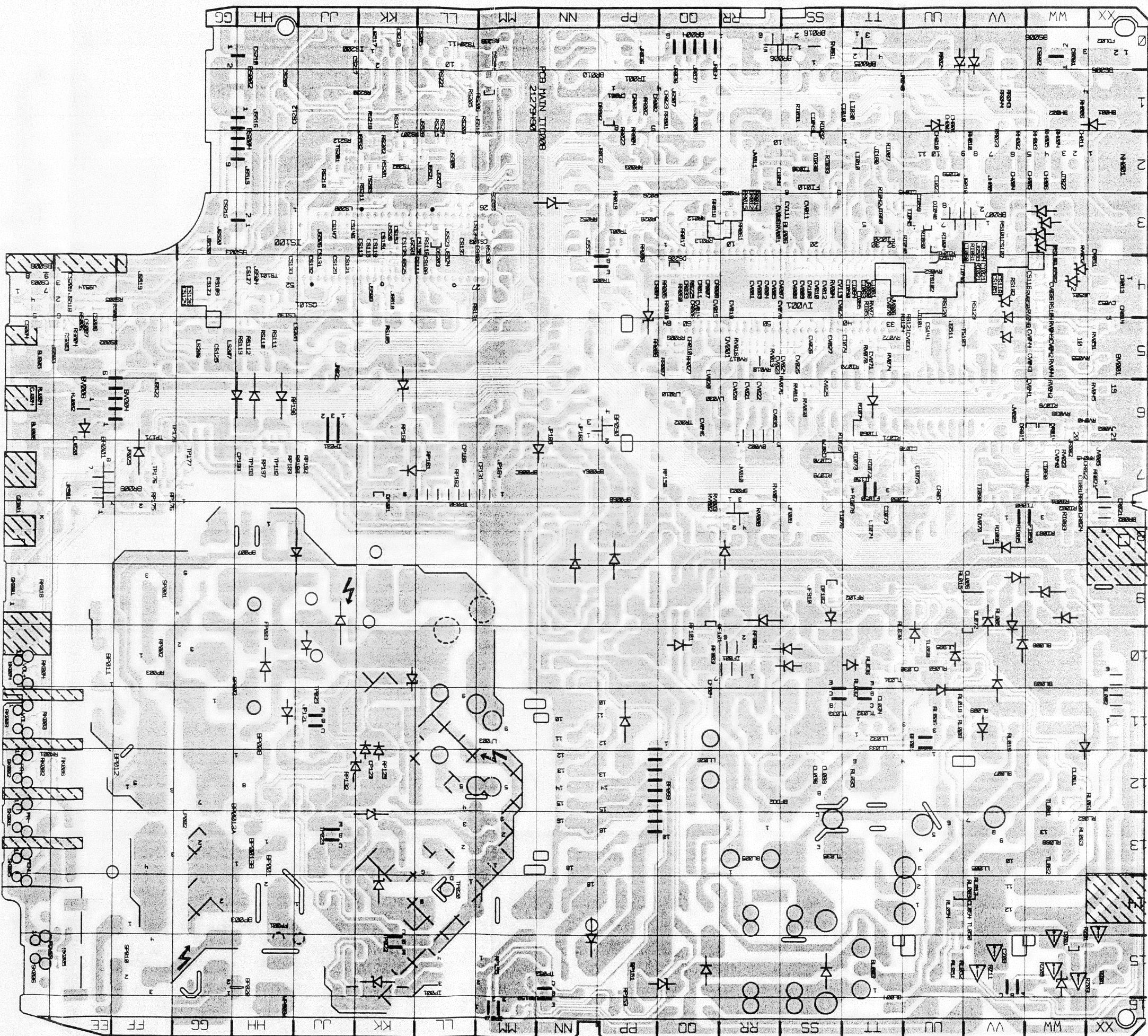


MAIN BOARD - PLATINE PRINCIPALE - PIASTRA PRINCIPALE - CHASSIS GRUNDPLATTE - PLATINA PRINCIPAL

COMPONENT SIDE -
COTE COMPOSANTS -
BESTÜCKUNGSSSEITE -
LATO COMPONENTI -
LADO COMPONENTES

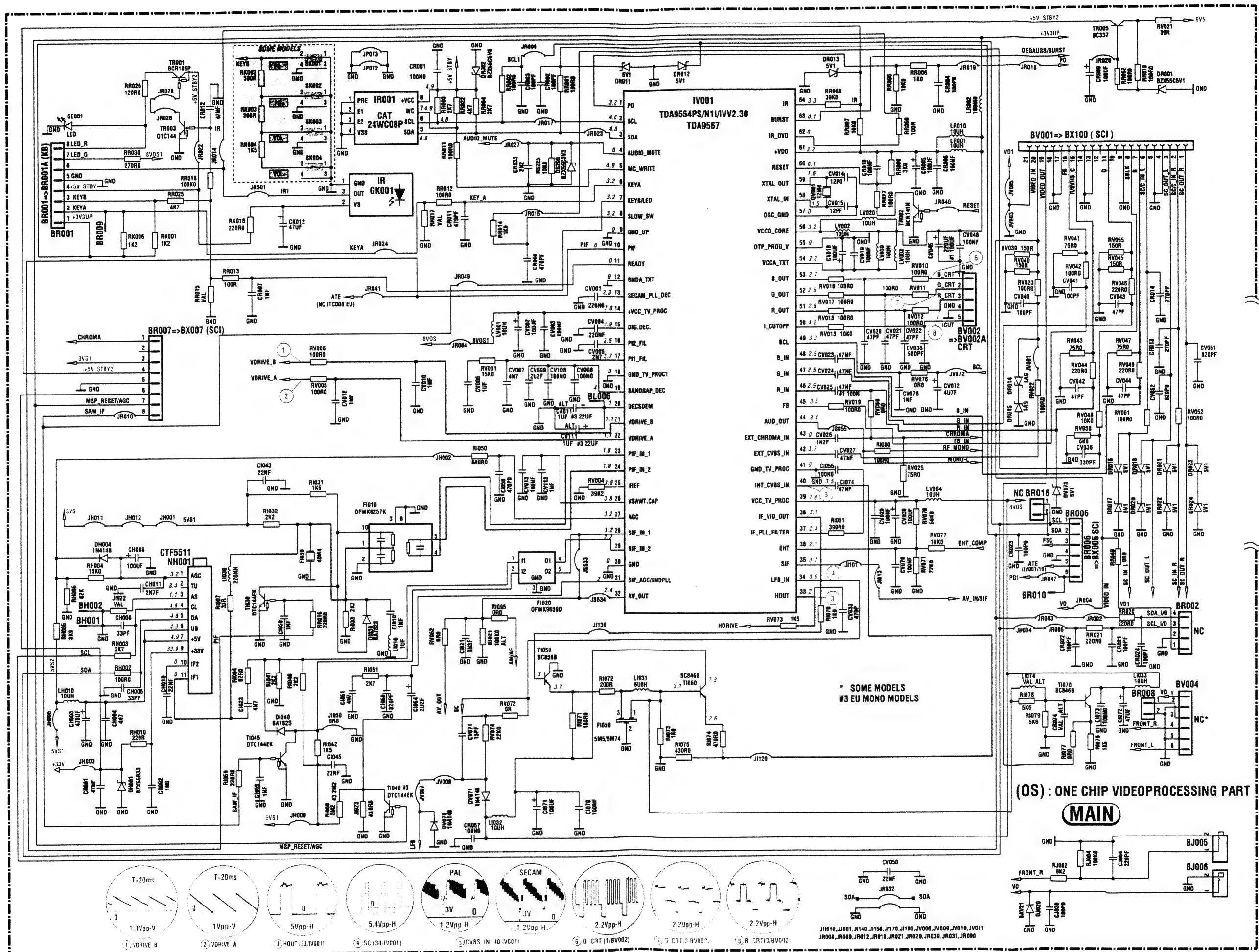


MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE

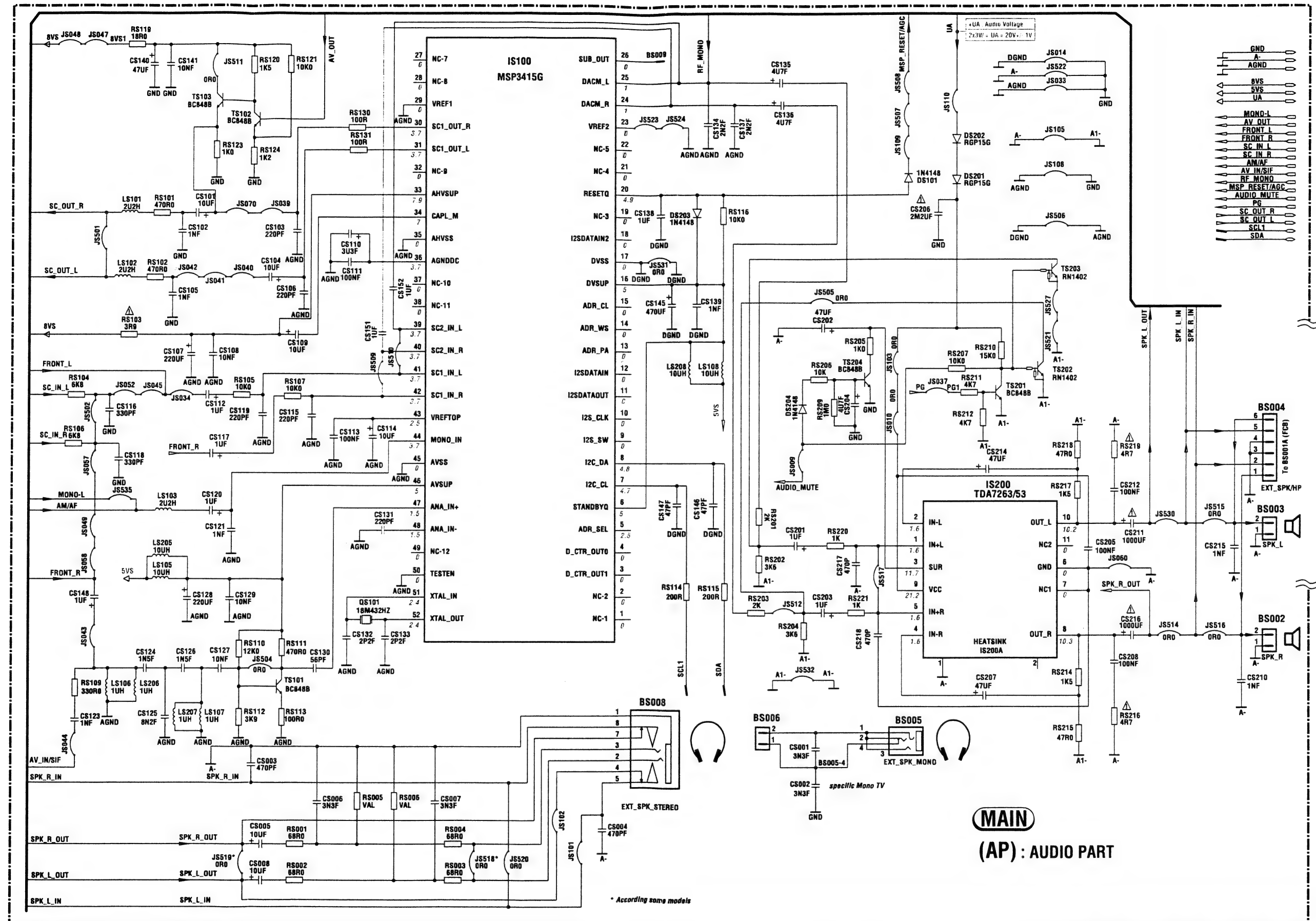


SOLDER SIDE -
CÔTE SOUDURES -
LÖTSEITE -
LATO SALDATURE -
LADO SOLDADURAS

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



ALIGNMENT PROCEDURE - PROCESSUS DE REGLAGES - ABGLEICH - VISUALIZZAZIONE DEL VALORE DI REGOLAZIONE - PROCEDIMIENTO DE ALINEACION

SET-UP LINES	
ET1 ID: S2.3	
INIT	
KEY	Off
LOCK	Off
LIMIT	<0-63> 32
ET1 ID:S2.3	
<p>INIT Initialise TV set. Press "OK" button. Sets all Service Mode functions stored in the EEPROM to their default values. See below the default values table.</p> <p>⚠ "INIT" copy all service parameters from the ROM to EEPROM. It will be necessary in this case to readjust most of the service mode functions.</p> <p>⚠ "INIT" copie toutes les valeurs par défaut stockées en ROM vers l'EEPROM. Il peut être nécessaire dans ce cas de reprendre la plupart des réglages du mode service.</p> <p>⚠ "INIT" kopiert alle Service-Parameter aus dem ROM in das EEPROM. Es ist anschließend notwendig die meisten Service-Funktionen neu abzugleichen</p> <p>⚠ "INIT" copia tutti i parametri di servizio dalla ROM alla EEPROM. Sarà necessario in seguito regolare alcune funzioni in Service Mode.</p> <p>⚠ "INIT" copia todos los valores por defecto memorizados en la ROM hacia la EEPROM. Puede ser necesario en el caso de tener que reajustar la mayor parte de los ajustes en Modo Servicio</p>	
Key Lock Pr+ Pr- on the front panel	ON : Disable the PR keys. Touches PR du clavier inactives. Disable the PR keys. Disable the PR keys. Disable the PR keys.
Lock Lock for Hotel Mode	Factory Setting
Limit Limit for Volume control	Factory Setting

VIDEO LINES																			
VG2	03																		
AGC	34																		
BKS*	01																		
OS-B	02																		
PKWS*	36 33 33																		
WPBS*	33																		
WPGS*	33																		
WPRS*	36																		
BLOGS*	37																		
BLORS*	32																		
YD	00																		
CL	11																		
<p>VG2 G2 Alignment</p> <p>☀ + ☀ + ☀ = 50% TV to AV or RF : White box test pattern in center. white = 100% Adjust G2 with the SCREEN potentiometer (LL005) to get 03. Régler G2 avec le potentiomètre SCREEN (LL005) pour obtenir 03 Gleichen Sie G2 mit dem SCREEN-Potentiometer (LL005): VG2=03 Regular il potenziometro G2 SCREEN (LL005) : VG2=03 Ajustar la G2 con el potenciómetro SCREEN (LL005): VG2=03.</p>																			
<p>AGC AGC - Automatic Gain Control alignment</p> <p>☀ + ☀ + ☀ = 50% - Minimum noise- Minimum de bruit - Minimum Rauschen - Rumore minimo - Minimo ruido</p> <p>210.25 MHz 3mV antenna input</p> <p>chassis ITC008 11 Tuner BG CH 10 IF Monitor IF 38.9 MHz</p> <p>- Set AGC to 00 - Adjust AGC for maximum gain of IF signal. - Reduce IF level about 8dB. ROM Default Value : AGC : 20</p>																			
BKS Black Stretch	Factory Setting																		
OS_B Sub-Brightness	<p>☀ + ☀ + ☀ = 50% ☀ = 70% Gray scale test pattern white = 100% TV : BG or L ↑ black</p>																		
PKWS / PKWP** Peak White SECAM/PAL	<p>☀ + ☀ = 50% ☀ = 70% Peak white test pattern. white = 100% colourimeter</p> <table><thead><tr><th>Sets</th><th>Nits</th></tr></thead><tbody><tr><td>21" OT 90° sets</td><td>420 +/- 10%</td></tr><tr><td>21" XF-TTD</td><td>420 +/- 10%</td></tr><tr><td>25" XF Toshiba</td><td>300 +/- 10%</td></tr><tr><td>28" MP</td><td>300 +/- 10%</td></tr><tr><td>29" XF-Samsung</td><td>200 +/- 10%</td></tr><tr><td>29" XF TTD II</td><td>250 +/- 10%</td></tr><tr><td>33" MP</td><td>250 +/- 10%</td></tr><tr><td>34" XF TTD</td><td>200 +/- 10%</td></tr></tbody></table>	Sets	Nits	21" OT 90° sets	420 +/- 10%	21" XF-TTD	420 +/- 10%	25" XF Toshiba	300 +/- 10%	28" MP	300 +/- 10%	29" XF-Samsung	200 +/- 10%	29" XF TTD II	250 +/- 10%	33" MP	250 +/- 10%	34" XF TTD	200 +/- 10%
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29" XF TTD II	250 +/- 10%																		
33" MP	250 +/- 10%																		
34" XF TTD	200 +/- 10%																		

Drive** WPRS / WPRP White Point Red SECAM/PAL	☀ + ☀ + ☀ = 50% Gray scale test pattern white = 100% ↑ white
WPGS / WPGP White Point Green SECAM/PAL	
WPBS / WPBP White Point Blue SECAM/PAL	
Cut-off ** BLORS / BLORP Black Level Offset Red SECAM/PAL	☀ + ☀ + ☀ = 50% Gray scale test pattern white = 100% ↑ grey
BLOGS / BLOGP Black Level Offset Green SECAM/PAL	
YD Luminance Delay	Use ⏪ ⏩ to adapt the image
CL Cathode Level	Factory setting. Extension of the peak White range. Réglage usine. Extension des valeurs de réglages du Peak White. Fabrik-Einstellung (Umfang des Spitzenweiß Einbereiches) Factory Setting. Extension of the peak White range. Ajuste de fábrica Extensión del margen del Peak White.

*Perform the G2 and the Focus settings beforehand.
Effectuez au préalable les réglages de G2 et de focus.
Stellen Sie zuvor G2 und "Focus" ein.
Effettuare le regolazioni G2 e del Fuoco innanzitutto.
Efectuar previamente los ajustes de G2 y Foco

** Adjust separate for PAL / SECAM
" S " : Video signal received is SECAM.
" P " : Video signal received is PAL.

GEOMETRY LINES	
VSH	32
SC	27
VA	37
VS	38
HSH	37
VSH	☀ + ☀ + ☀ = 50% Gray scale test pattern white = 100% ↑ white
SC S-Correction	☀ + ☀ + ☀ = 50% Gray scale test pattern white = 100% ↑ white
VA	☀ + ☀ + ☀ = 50% Gray scale test pattern white = 100% ↑ white
VS V_Slope	<p>- Apply a test pattern signal to the TV with a single horizontal and vertical line on the screen. - Select the "VS" line of the menu. - The bottom half of the screen will go black. - Adjust VS until the centre line of the pattern is just invisible. - Leave the line "V_Slope". - Switch the test pattern signal to the crosshatch geometry pattern. - Perform the geometry adjustments described below.</p> <p>- Appliquer une mire de barres avec seulement une ligne blanche horizontale en milieu de l'écran. - Sélectionner la ligne "V-Slope". - La moitié basse de l'écran devient noire. - Aligner "V_Slope" pour que la ligne médiane soit à peine non visible. - Commuter la mire en mode de réglage de géométrie (quadrillage). - Effectuer les réglages de géométrie ci-après.</p> <p>- Speisen Sie ein Testbild mit einem horizontalen Strich in der Bildmitte ein. - Wählen Sie im Menü die Funktion "V-Slope" an. - Die untere Bildhälfte wird dunkel. - Stellen Sie "V-Slope" so ein, daß die Mittellinie fast verschwindet. - Verlassen Sie die Funktion "V-Slope". - Speisen Sie ein Gittertestbild ein. - Nehmen Sie die Geometrieinstellungen wie nebenstehend beschrieben vor.</p> <p>- Applicare un monoscopio con un'unica linea bianca orizzontale al centro dello schermo - Selezionare la riga "V slope" del menu. La parte bassa dello schermo viene oscurata. - Allineare la "Vertical Slope" in modo che la linea centrale sia appena visibile - Abbandonare la riga "V slope". - Posizionare il monoscopio - Effettuare le regolazioni di geometria descritte in precedenza - Memorizzare.</p> <p>- Aplique una carta de ajuste con sólo una línea blanca horizontal y una vertical en el centro de la pantalla. - Seleccionar en el menú, la línea "V-Slope". La mitad inferior de la pantalla se pondrá oscura. - Ajuste "V-Slope" justo hasta que la línea horizontal sea invisible. - Cambiar la carta de ajuste a "cuadrícula" y efectuar los ajustes de geometría descritos a continuación - Antes de salir, memorizar con "Store"</p>
HSH	☀ + ☀ + ☀ = 50% Gray scale test pattern white = 100% ↑ white
<p>V-Slope</p> <p>Correct</p> <p>Incorrect</p>	

IF / SET-UP LINES	
OIF	24
OIF Offset IF demodulator	Factory Setting OIF=24H

VIDEO PROCESSOR LINES*	
SOC*	03
SOC* Peak White Limiting	Factory Setting SOC=03H

* According to software version.
Selon version de software.

GEOMETRY MODE ALIGNMENT

90° tube
Signal : 50 Hz - 4/3 test pattern

4 / 3 standard mode	<p>Overscan V=107% , H=107%</p> <p>1 - Adjust Horizontal Centering (HS)</p> <p>2 - Adjust Vertical centering (VSH) and Vertical amplitude 107% (VA) 3 - Adjust Vertical Slope (VS) and linearity (SC)</p> <p>4-If necessary repeat VSH, VA alignment to 7% overscan.</p>
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110° tube
Signal : 50 Hz - 4/3 test pattern

4 / 3 standard mode	<p>Overscan V=107% , H=107%</p> <p>EAST-WEST MODULE</p> <p>1 - PL140 : Turn fully counterclockwise.</p> <p>MAIN BOARD</p> <p>2 - Adjust Horizontal Centering (HS)</p> <p>3 - Adjust Vertical centering (VSH) and Vertical amplitude 107% (VA) 4 - Adjust Vertical Slope (VS) and linearity (SC)</p> <p>5 - If necessary repeat VSH, VA alignment to 7% overscan.</p> <p>EAST-WEST MODULE</p> <p>6 - PL140 : Adjust Horizontal amplitude with PL140 for optimum overscan.</p> <p>7 - PL141 :Adjust Pincushion.</p> <p>8 - PL143 : Adjust Trapezium</p> <p>9 - If necessary repeat Horizontal amplitude, pincushion correction and trapezium alignment</p>
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EACEM - SECTION CODES

COMMON	
ANT	ANTENNA SECTION
APR	SIGNAL PROCESSING (ANALOG)
BCH	BATTERY CHARGE
CLK	CLOCK/TIMER SECTION
CPA	COLOUR PROCESSING/ANALOG
CTR	CONTROL PANEL
DPR	SIGNAL PROCESSING (DIGITAL)
ERA	ERASE CIRCUIT
FLX	FLEXIBLE PRINTED CIRCUIT BOARD
HFS	HIGH FREQUENCY SECTION (RF)
IDS	INFORMATION DISPLAY SECTION
IFC	IF-CIRCUIT
ILN	i.LINK (IEEE1394) SECTION
INP	SIGNAL INPUT SECTION
IRD	INFRARED (IrDA) SECTION
MEM	MEMORY CIRCUIT
OUT	SIGNAL OUTPUT SECTION
PRG	PROGRAMMING SECTION
PRT	PROTECTION CIRCUIT
PSU	POWER SUPPLY
PWA	POWER AMP SECTION
REM	REMOTE CONTROL SECTION
RFU	BOOSTER,RF UNIT
SFT	SOFTWARE (TAPE, DISC, ETC.)
SNS	SENSOR UNIT
SVO	SERVO SECTION
SYS	SYSTEM CONTROL SECTION
TUN	TUNING SECTION
TXT	TEXT PROCESSING
SOUND-RELATED	
APA	AUDIO PROCESSING/ANALOG
APD	AUDIO PROCESSING/DIGITAL
CDC	CD CHANGER SECTION
CDS	CD SECTION
MDC	MD CHANGER SECTION
MDS	MINIDISC SECTION
MIC	MICROPHONE SECTION
PUD	PICK-UP DEVICE
SHD	STATIONARY HEAD(S)
SPK	SPEAKER
PICTURE-RELATED	
CAM	CAMERA CIRCUIT
CPD	COLOUR PROCESSING/DIGITAL
CRT	PICTURE TUBE
DFL	DEFLECTION CIRCUIT
DVD	DVD SECTION
FPK	FOCUS PACK
IMG	IMAGE DISPLAY UNIT

PICTURE-RELATED	
LCD	LCD SECTION
LMP	LAMP/FLASH SECTION
VPA	VIDEO PROCESSING/ANALOG
VPD	VIDEO PROCESSING/DIGITAL
VWF	VIEWFINDER
PC-RELATED	
FDD	FLOPPY DISC DRIVE
FMW	FIRMWARE
HDD	HARD DISC DRIVE
ISA	ISA SECTION
JST	JOYSTICK
KBD	KEYBOARD (SEPARATE)
MDM	MODEM SECTION
NIF	NETWORK INTERFACE
PAR	PARALLEL PORT
PCC	PC CARD
PCI	PCI SECTION
SCS	SCSI PORT
SER	SERIAL PORT
USB	USB PORT
MECHANICAL	
ARM	ARM MECHANISM
BZL	BEZEL
CBT	CABINET
CHA	CHASSIS
DDM	DISC DRIVE MECHANISM
EXC	EXTERNAL CONNECTOR
HCM	HEAD CARRIAGE MECHANISM
HOL	CASSETTE HOLDER
INC	INTERNAL CONNECTOR
LDG	LOADING MECHANISM
LNМ	LENS MECHANISM
PFM	PAPER FEED MECHANISM
PIN	PINCH ROLLER/LEVER
PRI	PRINT BLOCK
RFM	RIBBON FEED MECHANISM
RHD	ROTARY HEAD(S)
SLD	SLED MECHANISM
SRS	SUPPLY REEL SECTION
STA	STATIC BLOCK
TDM	TAPE DRIVE MECHANISM
THR	THREADING MECHANISM
TNR	TENSION REGULATOR
TPT	TAPE PATH
TRS	TAKE-UP REEL SECTION
WIR	LEAD WIRE
XXX	CABINET/COSMETIC PARTS

DEFECT CODES	
MECHANICAL	
A	WORN OUT (OR GENERAL MECHANICAL DEFECT)
A1	MISOPERATING
B	DIRTY, CLOGGED
C	MECHANICALLY MISALIGNED
D	CUT, BROKEN
E	DEFORMED
F	SNAPPED
G	SCRATCHED, DENTED, SHARP EDGES
H	CRACKED, PEELED, CORRODED, MELTED
I	LOOSE/OFF/STRIPPED
J	SHAKY, UNSTABLE
K	LEAKING (MECHANICAL)
L	DRY (NO LUBRICANT)
M	FOREIGN OBJECT
ELECTRICAL	
N	DEFECTIVE ELECTRICAL COMPONENT/MODULE
O	BURNT, ARCING, MISSING PIXELS
P	ELECTRICALLY MISALIGNED/WRONG SETTING
Q	SHORT CIRCUIT
R	OPEN CIRCUIT
S	LEAKING (ELECTRICAL)
T	BAD CONTACT, CONNECTION
T1	BAD EARTH CONNECTION
U	OPEN PATTERN
V	CRACKED PRINTED CIRCUIT BOARD
W	COLD OR NO SOLDERING
X	BRIDGED SOLDERING
Y	WRONG COMPONENT/MODULE
Z	MISSING COMPONENT/MODULE
1	SOFTWARE PROBLEM
11	LOSING DATA FROM MEMORY
12	FAULTY PROGRAM SETTING/INSTALLATION
13	SOFTWARE DEFECTIVE OR INCOMPLETE
14	SOFTWARE SETUP PROBLEM
15	NO IDENTIFICATION / AUTHENTICATION OF PRODUCT OR USER
2	EXHAUSTED, LOW EMISSION
3	NO PROBLEM FOUND (SET WITHIN SPEC)
4	NO PROBLEM FOUND - CUSTOMER MISUNDERSTANDING
5	NO PROBLEM FOUND - LOCAL CONDITIONS
51	FAULTY MAINS VOLTAGE
6	UNABLE TO DIAGNOSE FAULT
7	INCORRECTLY WIRED/ASSEMBLED
81	INCORRECT EQUIPMENT CONNECTION
9	CUSTOMER MISUSE
93	UNAUTHORISED MODIFICATION

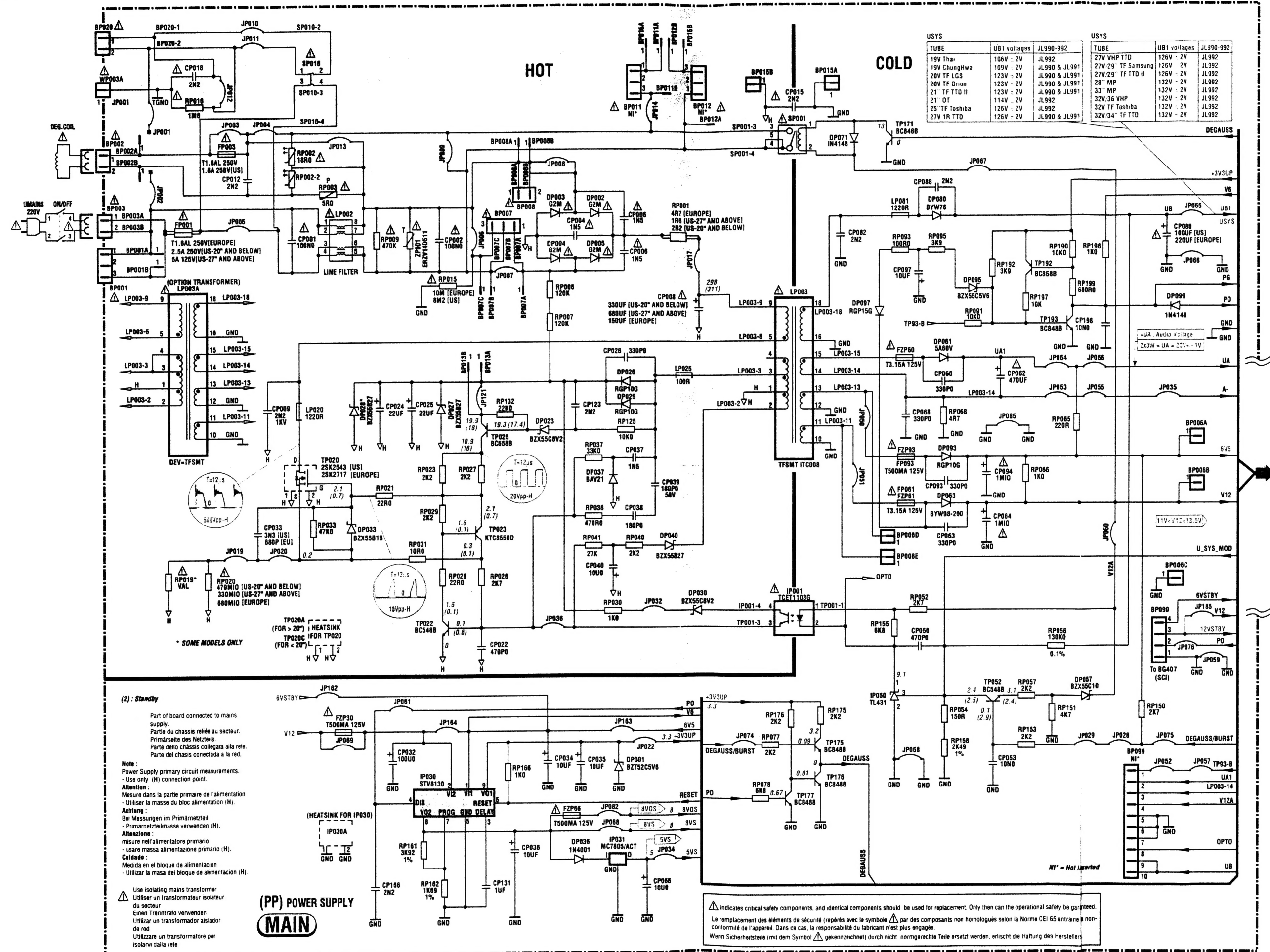
REPAIR CODES	
A	REPLACEMENT
B	MECHANICAL ALIGNMENT
C	ELECTRICAL ALIGNMENT
D	RESOLDERING
D1	REFITTING, PUT BACK IN POSITION (CONNECTOR, TUBE...)
E	CLEANING
F	LUBRICATION
G	REPAIRED ELECTRICAL PARTS
H	REPAIRED MECHANICAL PARTS
I	MODIFICATION REQUESTED BY MANUFACTURER
J	REMOVED
K	ADDED
L	FUNCTIONAL CHECK
M	SPECIFICATION MEASUREMENT
N	MAINTENANCE
O	REFURBISHING, RECONDITIONING
P	PREVENTIVE PARTS REPLACEMENT
Q	PREVENTIVE ACTION WITHOUT PARTS REPLACEMENT
U	EXPLANATION FOR CUSTOMER
V	COST ESTIMATION REFUSED
W	COST ESTIMATION WITH PARTS
X	COST ESTIMATION WITHOUT PARTS
Y	RETURN WITHOUT REPAIR
Z	PRODUCT EXCHANGE
Z1	PRODUCT EXCHANGE (REPAIR TOO EXPENSIVE)
Z2	PRODUCT EXCHANGE (TOO MANY VISITS/REPAIRS)
Z3	PRODUCT EXCHANGE (PARTS NOT AVAILABLE)
Z4	PRODUCT EXCHANGE (IMPOSSIBLE TO REPAIR)
Z5	PRODUCT EXCHANGE (ON REQUEST OF RETAILER)
Z6	PRODUCT EXCHANGE (ON REQUEST OF MANUFACTURER)
1	SOFTWARE CORRECTION/RESET
2	SOFTWARE UPGRADE
3	PRODUCT UPGRADE (ON REQUEST)

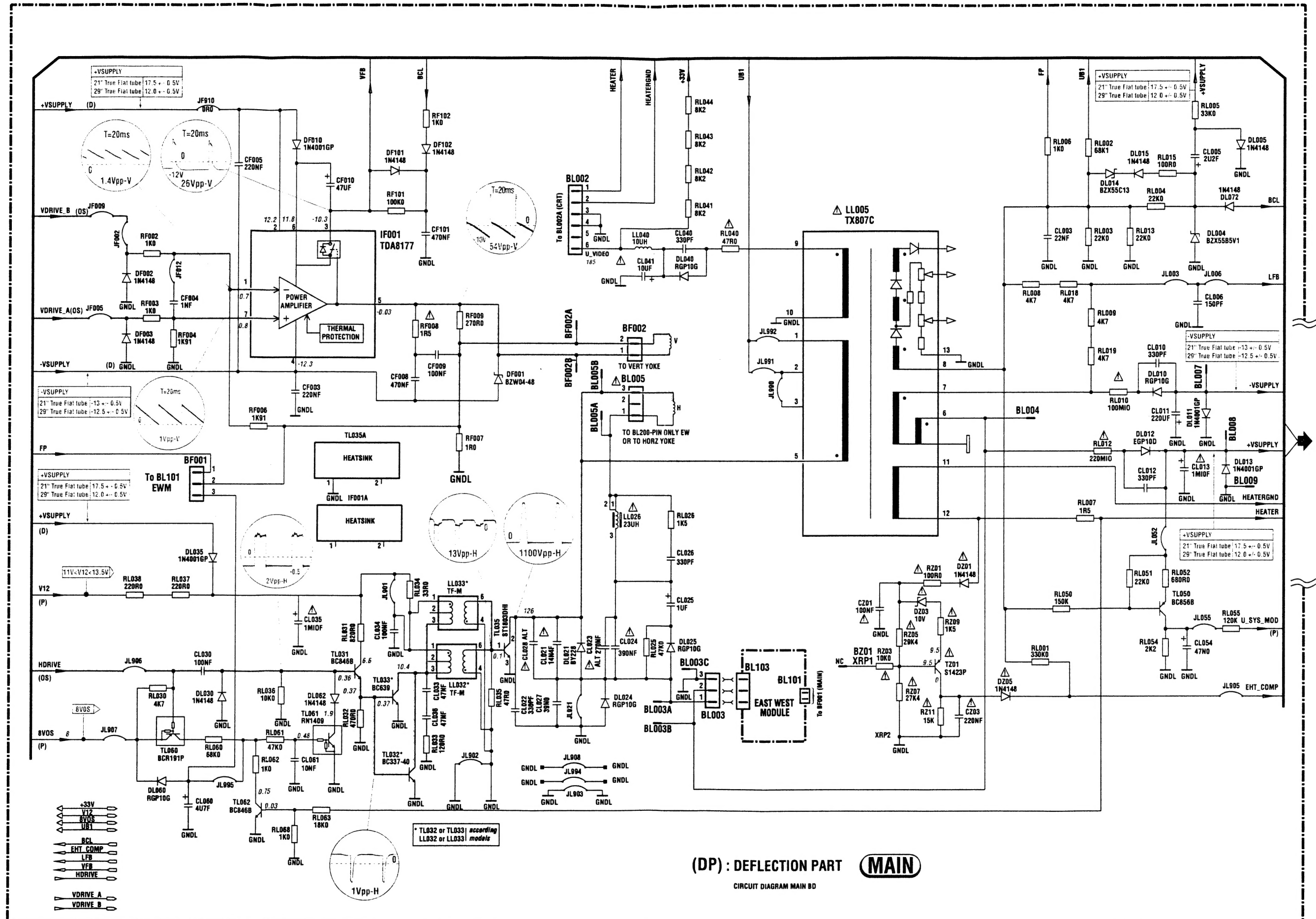
EXAMPLE OF USE:

FLAG	SYMPTOM CODE	PART NO.	REF. NO.	SECTION	PCB	DEFECT CODE	REPAIR CODE	QTY
1	1 4 1 2 3 6 4 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3 4 5 6 7 8 9 X X X X X X X X	R 1 2 3 1 1 1	T D M	Y A 2 2	C 1	Z 1	

FLAG: INDICATES THE ONE MAJOR SYMPTOM/PART COMBINATION BY '1'

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA





SERVICE-MODE (EN)

It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Focus and Screen voltages.

1. Service Mode Access

- 1.1 With the RCU, switch the TV set into the "Standby" mode.
- 1.2 Switch "Off" the TV set by mains supply switch (wait until LED is dark).
- 1.3 Whilst pressing the "Magenta (text)" button on the RCU switch "On" the TV set using the mains switch.
Continue to press the "Magenta (text)" button until the Service-setup Sub-menu appears.

ET1 ID : S2.3	(1)
INIT </>	(2)

2. Service Menu

2.1 Navigation

- Press the \wedge / \vee buttons to select the menu line.
- Press the \langle / \rangle buttons to make adjustments or selection of a menu item.

2.2 Service-Menu lines

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Activation of a line :

The first line (1) is continuously displayed. Sequential selection of the others lines in the Service Menu is possible by pressing the \wedge / \vee buttons on the RCU.

3. Alignment and storing new function value

- 3.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU \langle / \rangle buttons.
- 3.2 The values will be stored in the non-volatile memory when leaving the service menu or switching the TV into standby mode.

4. Temporary exit from Service Mode

- 4.1 To temporary leave the Service Mode, press the "Exit" button on the RCU. To access the everyday menus, press the "Menu" button on the RCU.
- 4.2 To return to the Service Menu, press the "Magenta" button on the RCU

5. Leaving the Service Mode

- 5.1 To EXIT the Service Menu either press, the "Standby" button on the RCU or switch "Off" the mains supply to the TV.

MODE SERVICE (FR)

Le mode service sert au réglage de l'appareil. Toutes les opérations de réglage s'effectuent à l'aide de la télécommande (sauf les réglages de Focus et de tension de grille-écran).

1. Accès au mode service

- 1.1 Commuter le téléviseur en position de veille avec la télécommande.
- 1.2 Eteindre le téléviseur par l'interrupteur secteur (attendre l'extinction complète du voyant).
- 1.3 Maintenir la touche "Magenta (text)" enfoncée et mettre simultanément le téléviseur en marche avec l'interrupteur secteur.
Ne pas relâcher la touche "Magenta (text)" jusqu'à apparition du menu

ET1 ID : S2.3	(1)
INIT	(2)

2. Menu Service

2.1 Déplacement

- Appuyer sur la touche \wedge / \vee pour sélectionner une ligne de menu.
- Appuyer sur la touche \langle / \rangle pour un réglage ou une sélection d'une option.

2.2 Lignes de Menus du mode service

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Sélection d'une ligne:

La première ligne (1) du menu est toujours affichée.
De courtes pressions sur la touche " \wedge / \vee " sélectionnent séquentiellement la ligne (2).

3. Réglage des fonctions sélectionnées; mémorisation

- 3.1 La valeur momentanée de la fonction sélectionnée est indiquée sous forme hexadécimale à droite, à côté de la position à régler et peut être modifiée avec la télécommande par la touche \langle / \rangle .
- 3.2 La valeur de réglage est mémorisée dans la mémoire non volatile en sortie de mode service ou en mettant le TV en position de veille.

4. Sortie temporaire du mode service

- 4.1 Utiliser la touche "Exit" de la télécommande.
Le menu utilisateur peut-être accessible via la touche "Menu".
- 4.2 Pour entrer à nouveau dans le Menu Setup utiliser la touche magenta.

5. Sortie du mode service

- 5.1 Pour sortir du mode service, commuter le téléviseur en position de veille ou le mettre hors service par l'interrupteur secteur.

SERVICE-MODE (DE)

Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Fokuseinstellung und Schirmgitterspannung).

1. Service-Mode einschalten

- 1.1 Mit der Fernbedienung das Fernsehgerät in Stand-by schalten.
- 1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
- 1.3 Während Sie die margentafarbene Taste (text) auf der Fernbedienung gedrückt halten, schalten Sie das Gerät mit dem Netzschalter ein. Halten Sie die margentafarbene Taste solange gedrückt bis das Service Setup Sub-Menü erscheint.

ET1 ID : S2.3	(1)
INIT	(2)

2. Service Menü

2.1 Navigation

- Drücken Sie die Tasten \wedge / \vee zum Auswählen der Menüzeile.
- Drücken Sie die \langle / \rangle -Tasten um eine Menüfunktion anzuwählen oder abzugleichen.

2.2 Service-Menü Zeilen

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Aktivierung einer Menüzeile:

Die erste Zeile (1) wird ständig angezeigt. Die Anwahl der Zeilen (2) im Service-Menü ist durch Drücken der \wedge / \vee -Tasten möglich.

3. Abgleich der gewählten Funktion und Speichern

- 3.1 Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste \langle / \rangle auf der Fernbedienung verändert werden.
- 3.2 Die Werte werden nach dem Abschalten des Gerätes in Standby oder nach dem Verlassen des Service-Menüs im nichtflüchtigen Speicher (EEPROM) abgelegt.

4. Vorübergehendes verlassen des Service-Mode

- 4.1 Auf der Fernbedienung Exit drücken.
Mit der Tasten Menü gelangen Sie zum Menü-Übersicht.
- 4.2 Durch Drücken der margentafarbenen Taste gelangen Sie in das Service Setup Sub-Menü.

5. Service-Mode verlassen

- 5.1 Zum Verlassen des Service-Mode das Gerät in Stand By schalten oder mit dem Netzschalter ausschalten.

MODOSERVICIO (ES)

Se necesita el MODO SERVICIO para ajustar el aparato. Todos los ajustes se hacen con el mando a distancia (a excepción de la tensión del sistema, los ajustes del foco y las tensiones de la rejilla de pantalla).

1. Ajustar el Modo Servicio

- 1.1 Con el mando a distancia conectar a STANDBY el televisor.
- 1.2 Desconectar el aparato con el interruptor de la red (esperar hasta que el LED se apague).
- 1.3 Mientras mantiene pulsado el botón "Magenta (texto)" de la UCR, pulse el interruptor general de red para encender el televisor.
Mantenga pulsado el botón "Magenta (texto)" hasta que aparezca el submenú de la configuración del servicio.

ET1 ID : S2.3	(1)
INIT	(2)

2. Menú Servicio.

- 2.1 Desplazamiento
 - Pulse el botón \wedge / \vee para seleccionar la línea del menú.
 - Pulse el botón \langle / \rangle para ajustar o seleccionar una opción del menú.

SERVICE-MODE (IT)

Il Service-Mode è necessario per l'allineamento dell'apparecchio. Tutte le regolazioni si effettuano con il telecomando. (tranne le regolazioni del fuoco e le tensioni della griglia schermo).

1. Attivazione del Service-Mode

- 1.1 Commutare il televisore in stand-by con il telecomando.
- 1.2 Spegner l'apparecchio con l'interruttore di rete (attendere finché il LED è spento)
- 1.3 Mentre tenete premuto il pulsante "Magenta (testo)" del RCU, accendete il televisore utilizzando l'interruttore di rete. Continuate a premere il pulsante "Magenta (testo)" del RCU fino all'apparizione del Service Setup Sub Menu

ET1 ID : S2.3	(1)
INIT	(2)

2. Service Menu

2.1 Navigazione

- Premere i tasti \wedge / \vee per selezionare la linea del menu
- Premere i tasti \langle / \rangle per la regolazione o la selezionz di un elemento del menu

2.2 Linee Service Menu

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Attivazione di una linea :

La prima linea (1) è continuamente visualizzata. La selezione delle linee successive (2) è possibile in service menu premendo i tasi \wedge / \vee .

3. Taratura della funzione scelta e memorizzazione

- 3.1 Il valore momentaneo della funzione scelta viene indicato in formato esadecimale a destra, accanto alla posizione da allineare e può essere cambiato con il pulsante \langle / \rangle del telecomando.
- 3.2 I valori verranno memorizzati nella memoria num quando verrà lasciato il menù service mode o commutando il TV in modo standby.

4. Uscita temporanea dal Service Mode

- 4.1 Premere Exit sul telecomando.
Al menu di uso quotidiano si accede attraverso il pulsante Menu.
- 4.2 Il Service Setup Sub Menu è accessibile attraverso il tasto "Magenta".

5. Disattivazione del Service-Mode

- 5.1 Per disattivare il Service Mode, commutare l'apparecchio in stand-by o spegnerlo con l'interruttore di rete.

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Activación de una línea :
La primera línea (1) se muestra siempre en la pantalla. La selección secuencial de las líneas (2), es posible pulsando las teclas \wedge / \vee .

3. Ajuste de la función elegida y almacenamiento

- 3.1 El valor momentáneo de la función elegida es indicado de modo hexadecimal a la derecha, al lado de la posición a ajustar, y puede cambiarse con la tecla $\langle o bien \rangle$ en el mando a distancia.
- 3.2 Los valores serán memorizados en la EEPROM al salir del menú del Modo Servicio o pasando el TV a modo standby.

4. Salida temporal del Modo Servicio

- 4.1 Pulse Salir en el mando a distancia.
Con el botón Menu puede acceder al menú de uso cotidiano.
- 4.2 Puede acceder al submenú de configuración del servicio mediante el botón "Magenta".

5. Salir del Modo Servicio

- 5.1 Conmute el aparato a STANDBY a fin de salir del MODO SERVICIO o desconectar con el interruptor de la red.